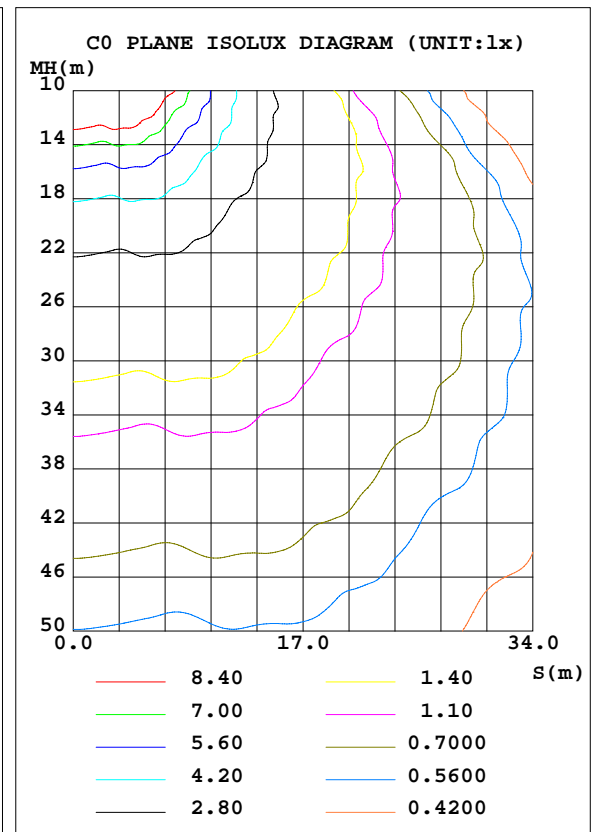
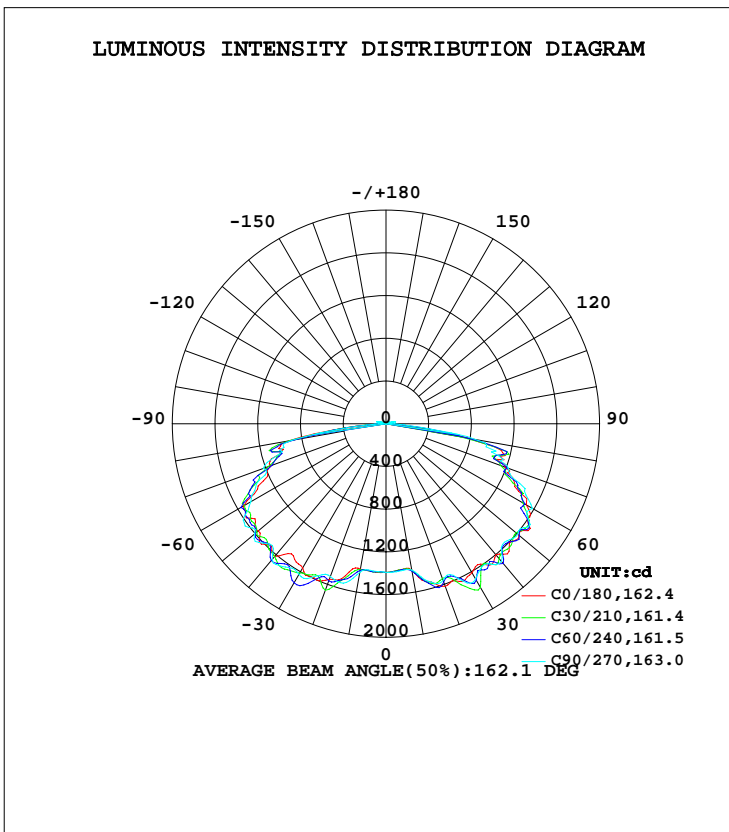


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.0V I:0.5072A P:60.12W PF:0.9877 Freq:60.01Hz Lamp Flux:7860.93x1 lm		
NAME: LED Canopy	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: P.Q.L., Inc.	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 130.75 lm/W			
MODEL	83347	Imax(cd)	1781	S/MH(C0/180)	1.74
NOMINAL POWER(W)	60	LOR(%)	100.0	S/MH(C90/270)	1.74
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	7860.9	η UP, DN(C0-180)	0.4,49.6
NOMINAL FLUX(lm)	7860.93	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.4,49.7
LAMPS INSIDE	1	η up(%)	0.7	CIBSE SHR NOM	1.75
TEST VOLTAGE(V)	120	η down(%)	99.3	CIBSE SHR MAX	1.75



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 24.4DEG  
 Operators:Derek Lai  
 Test Date:14 November 2018

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.362  
 Humidity: 40.5%  
 Test Distance:2.500m [K=1.1014]  
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1392	1392	1391	1377	1382	1388	1412	1417	0- 10	132.1	132.1	1.68,1.68
20	1620	1585	1561	1562	1551	1574	1523	1533	10- 20	430.6	562.6	7.16,7.16
30	1611	1755	1679	1638	1560	1661	1627	1710	20- 30	748.3	1311	16.7,16.7
40	1602	1685	1682	1648	1622	1680	1658	1697	30- 40	1030	2341	29.8,29.8
50	1627	1619	1611	1577	1561	1568	1605	1610	40- 50	1244	3585	45.6,45.6
60	1518	1454	1583	1507	1539	1523	1460	1514	50- 60	1413	4997	63.6,63.6
70	1182	1166	1217	1168	1141	1134	1223	1157	60- 70	1338	6335	80.6,80.6
80	773.3	855.4	844.4	908.6	919.4	927.3	896.0	810.0	70- 80	1122	7457	94.9,94.9
90	34.98	47.82	52.46	54.19	70.12	60.10	57.03	35.71	80- 90	346.7	7803	99.3,99.3
100	4.997	0.8646	60.80	0.7753	5.320	0.5385	41.51	0.7557	90-100	12.25	7816	99.4,99.4
110	0.0375	5.360	51.55	7.342	0.0500	5.417	51.36	6.026	100-110	25.33	7841	99.7,99.7
120	0.0182	3.264	19.37	3.819	0.0189	2.834	17.03	3.070	110-120	11.58	7853	99.9,99.9
130	0.0015	0.9633	16.31	1.682	0	0.2683	13.14	0.5034	120-130	6.662	7859	100,100
140	0.0045	0.1709	3.160	0.2309	0.0163	0.2065	1.081	0.1507	130-140	1.483	7861	100,100
150	0.0530	0.0927	0.0858	0.1252	0.1850	0.1448	0.1090	0.1023	140-150	0.0990	7861	100,100
160	0.0404	0.0651	0.0428	0.0770	0.1495	0.1460	0.0924	0.1027	150-160	0.0491	7861	100,100
170	0.0252	0.0298	0.0041	0.0273	0.0363	0.0932	0.0688	0.0579	160-170	0.0180	7861	100,100
180	0.0123	0.0052	0	0.0037	0.0138	0.0049	0	0.0037	170-180	0.0029	7861	100,100
DEG	LUMINOUS INTENSITY:cd Less than 35% Percent = 11.2 %									UNIT:lm		

Conical surface Flux(90deg): 2938.3 lm

%lum = 37.4%  
 %lamp = 37.4%

Conical surface Flux(120deg): 4997.4 lm

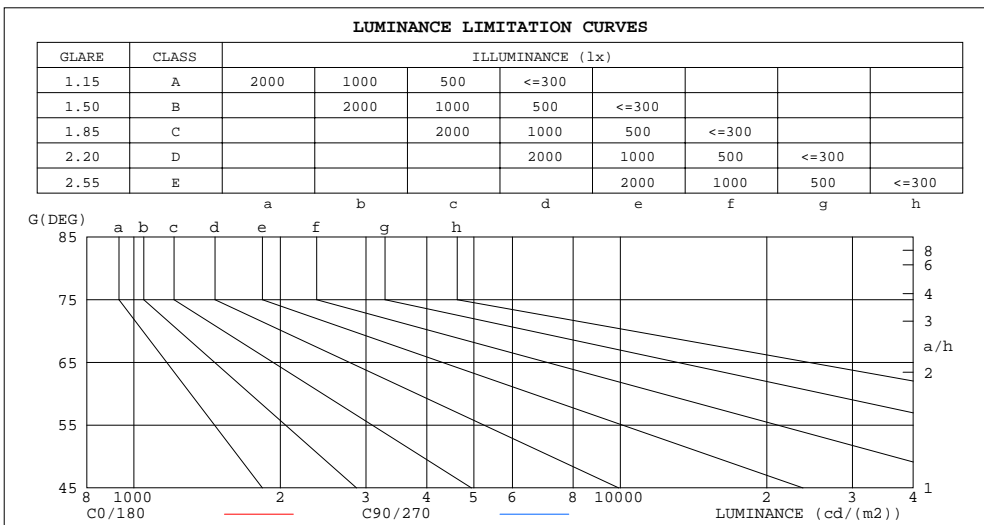
%lum = 63.6%  
 %lamp = 63.6%

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 24.4DEG  
 Operators:Derek Lai  
 Test Date:14 November 2018

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.362  
 Humidity: 40.5%  
 Test Distance:2.500m [K=1.1014]  
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.0V I:0.5072A P:60.12W PF:0.9877 Freq:60.01Hz Lamp Flux:7860.93x1 lm		
NAME: LED Canopy	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: P.Q.L., Inc.	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	43992	56292
80	101280	110478
75	101533	89757
70	78627	80839
65	71595	77226
60	69067	71921
55	64409	65270
50	57553	56928
45	52495	50437

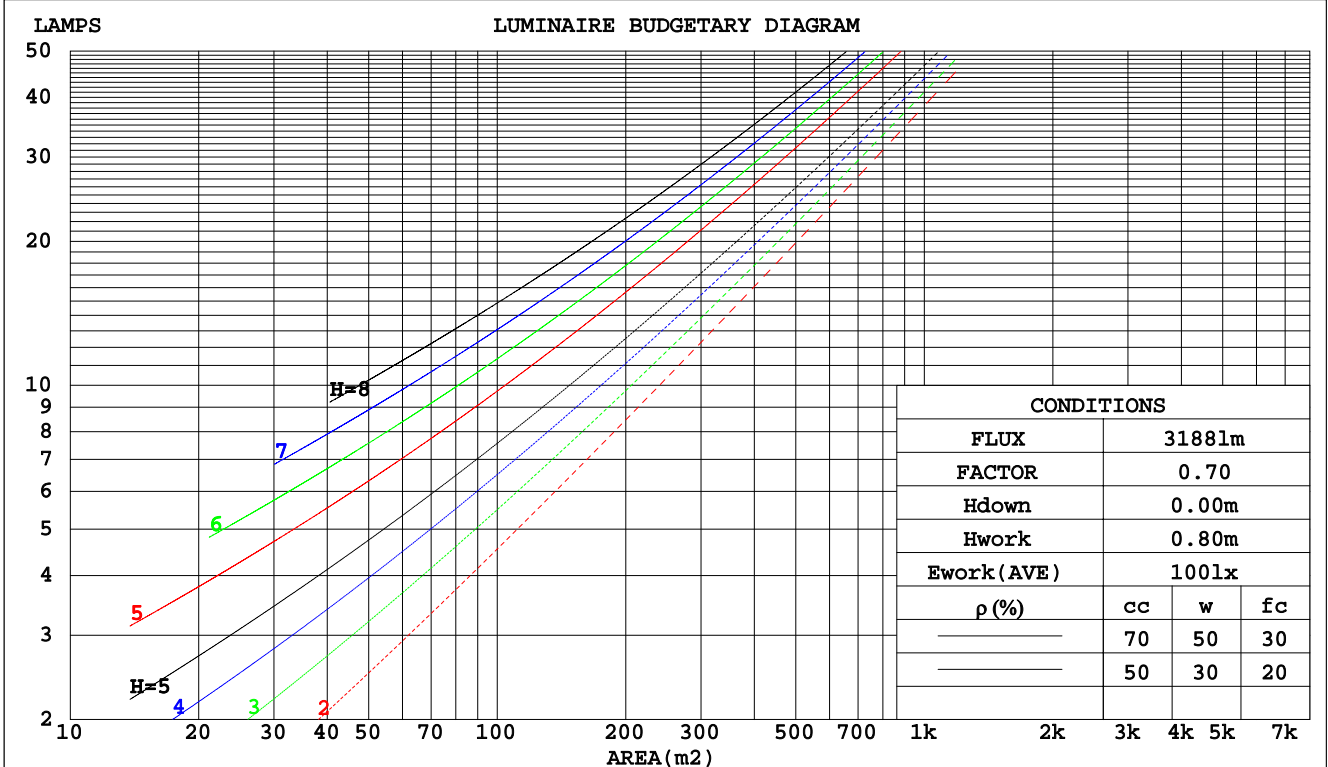
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 24.4DEG  
 Operators:Derek Lai  
 Test Date:14 November 2018

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.362  
 Humidity: 40.5%  
 Test Distance:2.500m [K=1.1014]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.5072A P:60.12W PF:0.9877 Freq:60.01Hz Lamp Flux:7860.93x1 lm		
NAME: LED Canopy	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: P.Q.L., Inc.	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															
	Coefficients of Utilization(CU)															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	.99
1.0	.99	.94	.89	.97	.92	.88	.92	.88	.85	.88	.85	.82	.84	.82	.79	.77
2.0	.84	.75	.68	.82	.74	.67	.78	.71	.66	.74	.69	.64	.71	.66	.62	.60
3.0	.72	.62	.54	.70	.61	.54	.67	.59	.52	.64	.57	.51	.61	.55	.50	.48
4.0	.62	.52	.44	.61	.51	.44	.58	.50	.43	.55	.48	.42	.53	.47	.41	.39
5.0	.55	.44	.37	.53	.44	.36	.51	.42	.36	.49	.41	.35	.47	.40	.35	.32
6.0	.48	.38	.31	.47	.38	.31	.45	.37	.31	.44	.36	.30	.42	.35	.30	.28
7.0	.43	.34	.27	.43	.33	.27	.41	.33	.26	.39	.32	.26	.38	.31	.26	.24
8.0	.39	.30	.24	.39	.30	.23	.37	.29	.23	.36	.28	.23	.34	.28	.23	.21
9.0	.36	.27	.21	.35	.27	.21	.34	.26	.20	.33	.25	.20	.32	.25	.20	.18
10.0	.33	.24	.19	.32	.24	.18	.31	.24	.18	.30	.23	.18	.29	.23	.18	.16



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 24.4DEG  
 Operators: Derek Lai  
 Test Date: 14 November 2018

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.362  
 Humidity: 40.5%  
 Test Distance: 2.500m [K=1.1014]  
 Remarks:

WEC AND CCEC

Test:U:120.0V I:0.5072A P:60.12W PF:0.9877 Freq:60.01Hz Lamp Flux:7860.93x1 lm														
NAME: LED Canopy					TYPE:LED					WEIGHT:				
SPEC.:					DIM.:					SERIAL No.:				
MFR.: P.Q.L., Inc.					SUR.:					Shielding Angle:				

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.392	.223	.071	.384	.219	.070	.370	.212	.068	.357	.206	.066	.345	.200	.064	
2.0	.354	.194	.060	.348	.191	.059	.335	.186	.058	.323	.181	.057	.313	.177	.056	
3.0	.319	.170	.051	.313	.167	.050	.301	.163	.050	.291	.159	.049	.281	.156	.048	
4.0	.288	.149	.044	.282	.148	.044	.272	.144	.043	.263	.141	.043	.254	.138	.042	
5.0	.261	.133	.039	.256	.132	.038	.248	.129	.038	.239	.126	.038	.231	.124	.037	
6.0	.239	.120	.034	.235	.118	.034	.227	.116	.034	.219	.114	.033	.212	.112	.033	
7.0	.220	.109	.031	.216	.108	.031	.209	.106	.030	.202	.104	.030	.196	.102	.030	
8.0	.203	.099	.028	.200	.098	.028	.193	.097	.028	.187	.095	.027	.182	.093	.027	
9.0	.189	.091	.026	.186	.091	.025	.180	.089	.025	.175	.088	.025	.170	.086	.025	
10.0	.176	.085	.023	.174	.084	.023	.168	.083	.023	.164	.081	.023	.159	.080	.023	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.196	.196	.196	.168	.168	.168	.114	.114	.114	.066	.066	.066	.021	.021	.021	
1.0	.192	.161	.134	.164	.138	.115	.112	.095	.079	.065	.055	.046	.021	.018	.015	
2.0	.186	.137	.096	.160	.118	.083	.109	.082	.058	.063	.048	.034	.020	.015	.011	
3.0	.180	.120	.073	.154	.104	.063	.106	.072	.044	.061	.042	.026	.020	.014	.009	
4.0	.172	.108	.058	.148	.093	.051	.102	.065	.036	.059	.038	.021	.019	.012	.007	
5.0	.164	.098	.048	.141	.084	.042	.097	.059	.030	.056	.035	.018	.018	.011	.006	
6.0	.157	.089	.041	.135	.077	.036	.093	.054	.025	.054	.032	.015	.017	.010	.005	
7.0	.149	.083	.036	.128	.072	.031	.089	.050	.022	.051	.030	.013	.017	.010	.004	
8.0	.142	.077	.032	.122	.067	.028	.085	.047	.020	.049	.028	.012	.016	.009	.004	
9.0	.135	.072	.029	.117	.062	.025	.081	.044	.018	.047	.026	.011	.015	.009	.004	
10.0	.129	.068	.027	.111	.059	.023	.077	.041	.017	.045	.024	.010	.015	.008	.003	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 24.4DEG  
 Operators:Derek Lai  
 Test Date:14 November 2018

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.362  
 Humidity: 40.5%  
 Test Distance:2.500m [K=1.1014]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.0V I:0.5072A P:60.12W PF:0.9877 Freq:60.01Hz Lamp Flux:7860.93x1 lm										
NAME: LED Canopy					TYPE:LED			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: P.Q.L., Inc.					SUR.:			Shielding Angle:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	20.7	22.4	21.0	22.7	22.9	20.6	22.3	20.9	22.6	22.8
3H	23.0	24.6	23.3	24.9	25.2	23.0	24.6	23.3	24.9	25.1
4H	24.4	25.9	24.7	26.2	26.5	24.3	25.9	24.7	26.1	26.4
6H	25.6	27.1	26.0	27.4	27.7	25.6	27.1	26.0	27.4	27.7
8H	25.9	27.3	26.3	27.6	27.9	26.0	27.4	26.3	27.7	28.0
12H	25.9	27.3	26.3	27.6	27.9	26.1	27.5	26.5	27.8	28.1
4H 2H	21.5	23.1	21.9	23.3	23.6	21.5	23.0	21.8	23.3	23.6
3H	24.0	25.4	24.4	25.7	26.0	24.0	25.4	24.4	25.7	26.0
4H	25.6	26.8	26.0	27.2	27.5	25.6	26.8	26.0	27.2	27.5
6H	27.0	28.1	27.4	28.5	28.9	27.0	28.1	27.4	28.5	28.9
8H	27.3	28.4	27.8	28.8	29.2	27.5	28.5	27.9	28.9	29.3
12H	27.4	28.4	27.8	28.8	29.2	27.6	28.6	28.1	29.0	29.4
8H 4H	26.3	27.3	26.7	27.7	28.1	26.3	27.3	26.7	27.7	28.1
6H	27.8	28.7	28.2	29.1	29.5	27.8	28.7	28.3	29.1	29.6
8H	28.2	29.0	28.7	29.4	29.9	28.3	29.1	28.8	29.6	30.0
12H	28.3	29.0	28.8	29.4	29.9	28.6	29.3	29.1	29.7	30.2
12H 4H	26.4	27.3	26.8	27.8	28.2	26.3	27.3	26.8	27.7	28.2
6H	27.9	28.7	28.4	29.1	29.6	28.0	28.7	28.4	29.2	29.7
8H	28.3	29.0	28.8	29.5	30.0	28.5	29.2	29.0	29.6	30.1
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.2				
1.5H	+ 0.1 / - 0.1					+ 0.1 / - 0.2				
2.0H	+ 0.4 / - 0.5					+ 0.3 / - 0.5				

CIE Pub.117, 7861 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 7.2)

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 24.4DEG  
 Operators:Derek Lai  
 Test Date:14 November 2018

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.362  
 Humidity: 40.5%  
 Test Distance:2.500m [K=1.1014]  
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.5072A P:60.12W PF:0.9877 Freq:60.01Hz Lamp Flux:7860.93x1 lm		
NAME: LED Canopy	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: P.Q.L., Inc.	SUR.:	Shielding Angle:

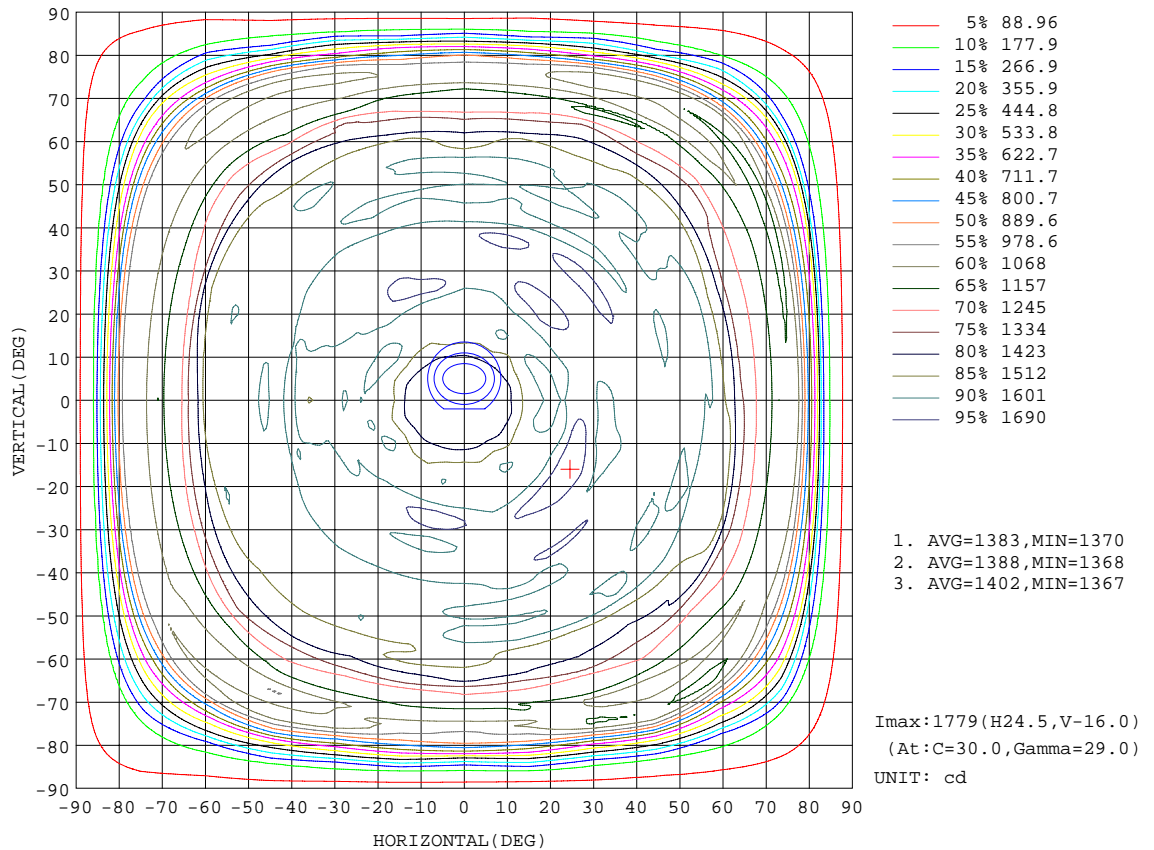
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	49	36	29	49	36	28	47	36	28	21
0.80	59	46	37	58	45	37	56	44	37	29
1.00	67	54	46	66	54	45	63	56	45	36
1.25	75	62	54	73	61	53	70	60	52	44
1.50	80	68	60	78	67	59	75	65	58	49
2.00	88	78	69	86	76	69	82	74	67	58
2.50	93	83	76	91	82	75	86	79	73	63
3.00	97	88	81	95	87	80	90	84	78	68
4.00	102	95	89	99	93	87	95	89	85	75
5.00	105	99	94	103	97	92	98	93	89	79
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 24.4DEG  
 Operators:Derek Lai  
 Test Date:14 November 2018

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.362  
 Humidity: 40.5%  
 Test Distance:2.500m [K=1.1014]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.5072A P:60.12W PF:0.9877 Freq:60.01Hz Lamp Flux:7860.93x1 lm		
NAME: LED Canopy	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: P.Q.L., Inc.	SUR.:	Shielding Angle:



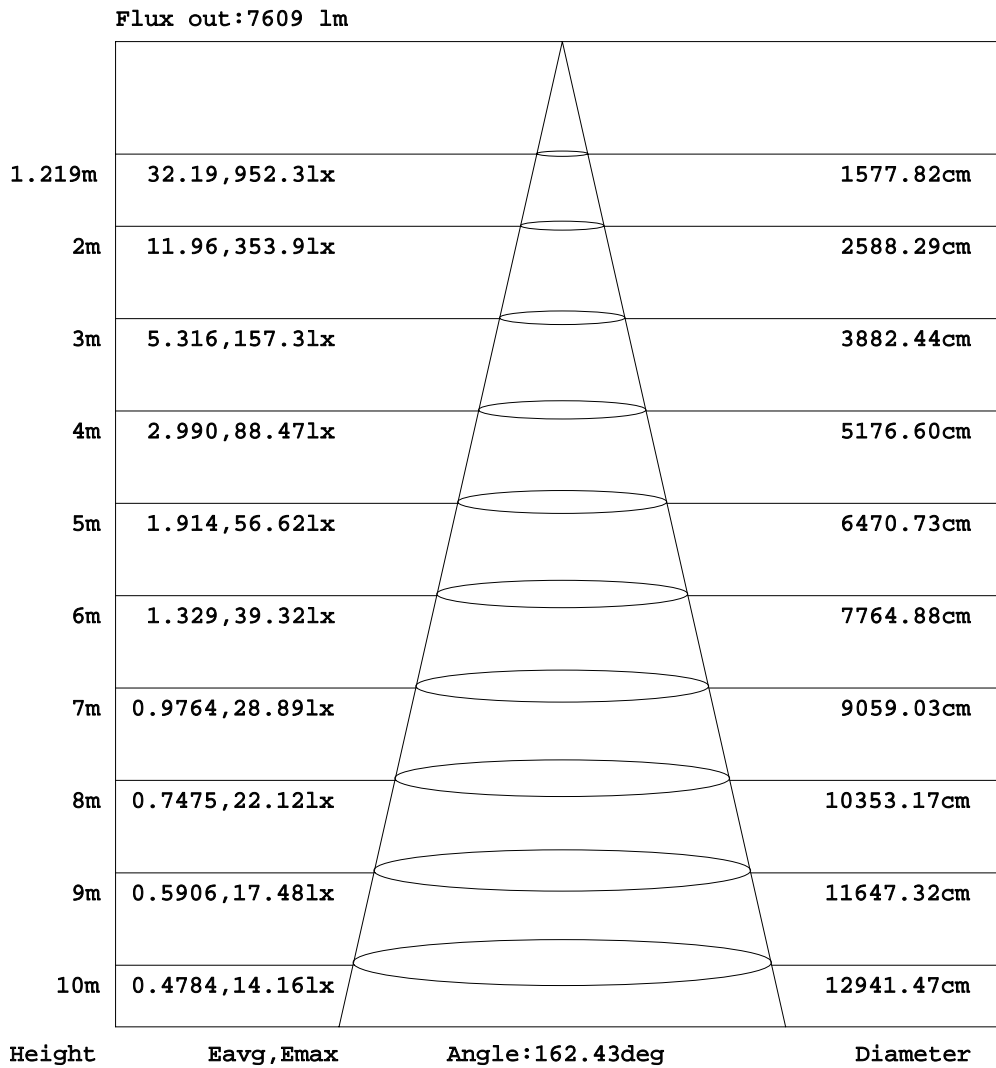
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 24.4DEG  
 Operators:Derek Lai  
 Test Date:14 November 2018

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.362  
 Humidity: 40.5%  
 Test Distance:2.500m [K=1.1014]  
 Remarks:



AAI Figure

Test:U:120.0V I:0.5072A P:60.12W PF:0.9877 Freq:60.01Hz Lamp Flux:7860.93x1 lm		
NAME: LED Canopy	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: P.Q.L., Inc.	SUR.:	Shielding Angle:



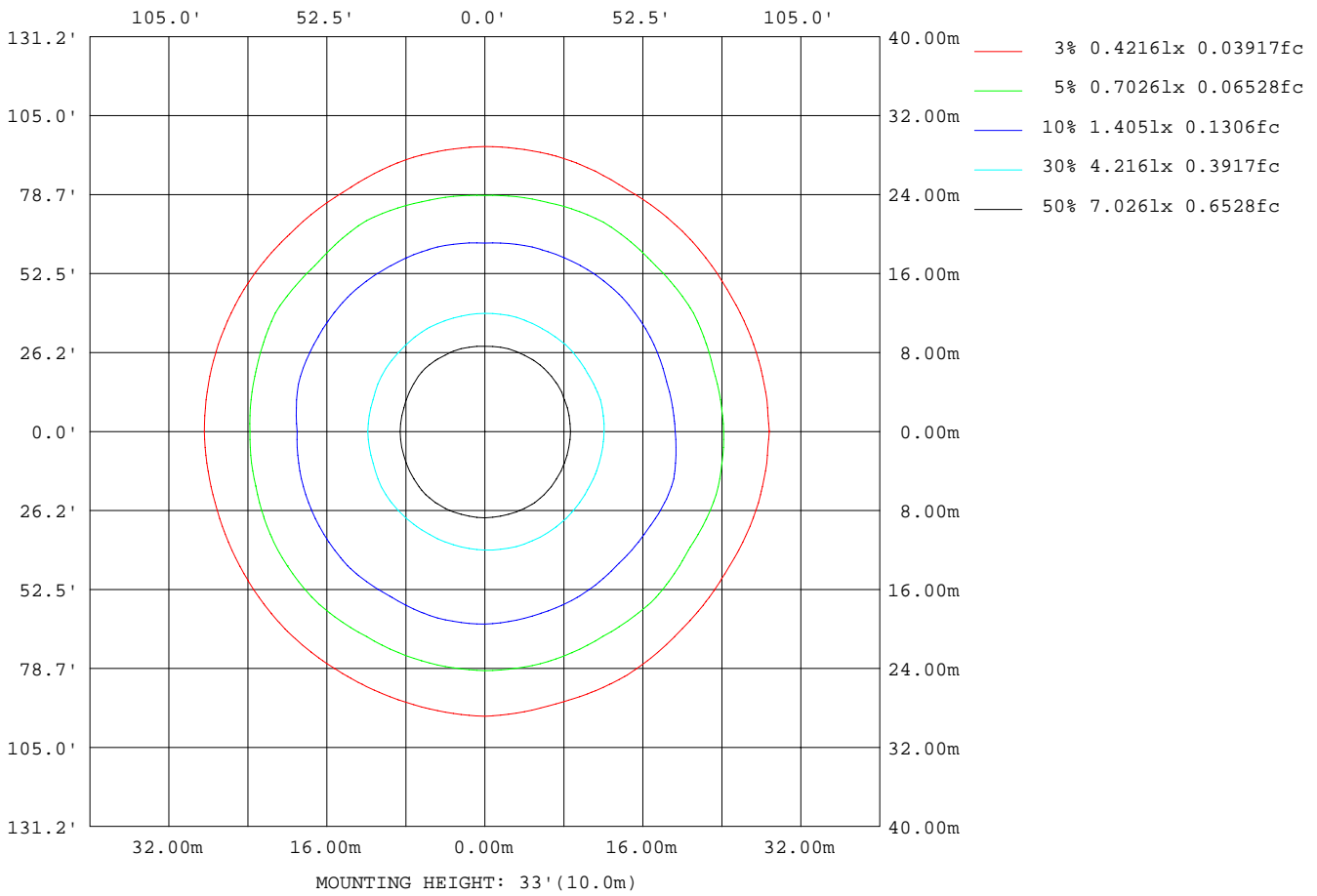
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 24.4DEG  
 Operators:Derek Lai  
 Test Date:14 November 2018

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.362  
 Humidity: 40.5%  
 Test Distance:2.500m [K=1.1014]  
 Remarks:

ISOLUX DIAGRAM

Test:U:120.0V I:0.5072A P:60.12W PF:0.9877 Freq:60.01Hz Lamp Flux:7860.93x1 lm		
NAME: LED Canopy	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: P.Q.L., Inc.	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 24.4DEG  
 Operators:Derek Lai  
 Test Date:14 November 2018

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.362  
 Humidity: 40.5%  
 Test Distance:2.500m [K=1.1014]  
 Remarks:

## LED Avg.L Report

Test:U:120.0V I:0.5072A P:60.12W PF:0.9877 Freq:60.01Hz Lamp Flux:7860.93x1 lm		
NAME: LED Canopy	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: P.Q.L., Inc.	SUR.:	Shielding Angle:

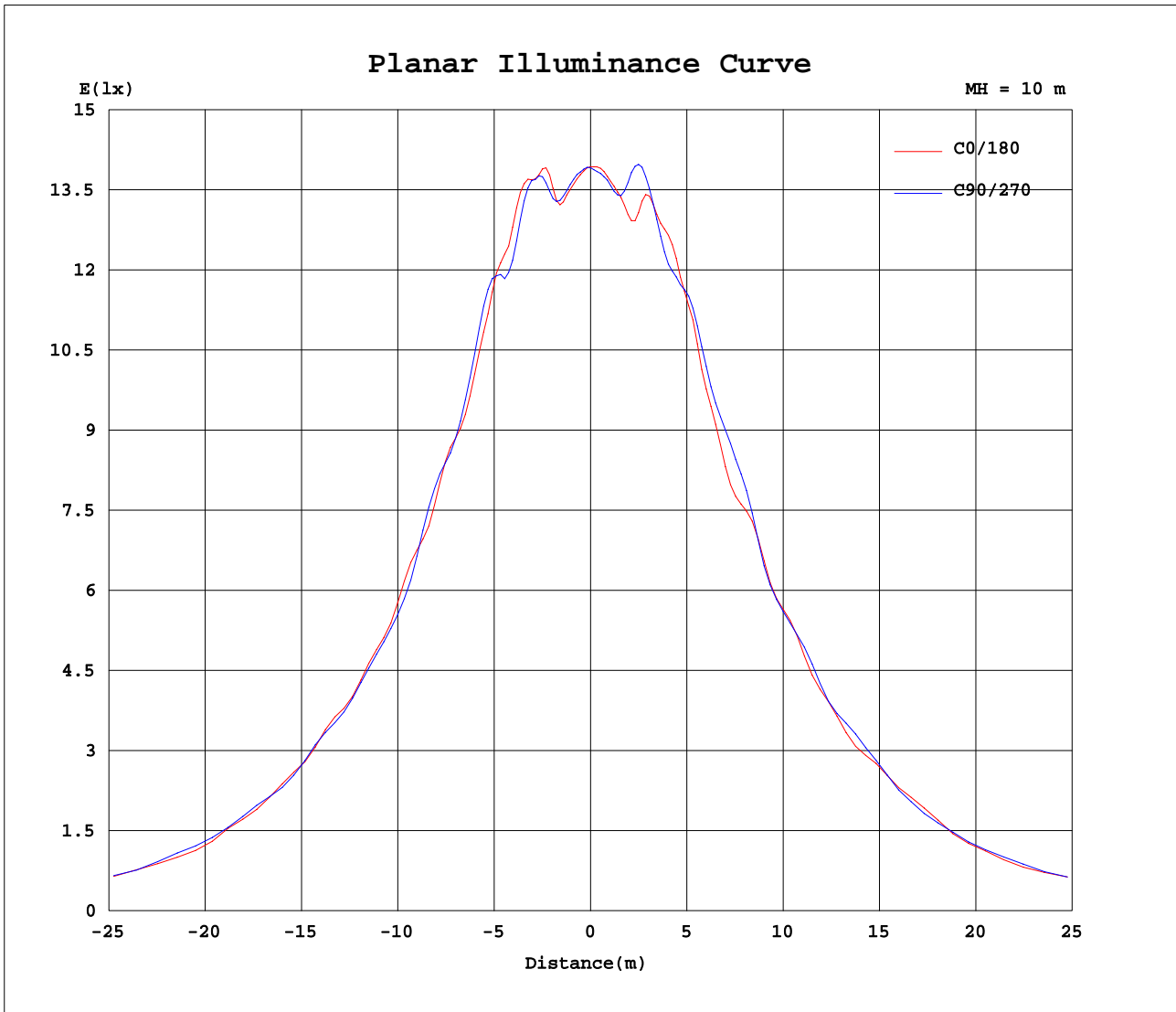
AvgL	cd/m2
L_0~180(65)av	69850
L_0~180(75)av	95731
L_0~180(85)av	59069
L_90~270(65)av	74631
L_90~270(75)av	89011
L_90~270(85)av	64146
L_45(65)av	72766
L_45(75)av	91120
L_45(85)av	55377

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 24.4DEG  
 Operators:Derek Lai  
 Test Date:14 November 2018

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.362  
 Humidity: 40.5%  
 Test Distance:2.500m [K=1.1014]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 24.4DEG  
Operators: Derek Lai  
Test Date: 14 November 2018

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.362  
Humidity: 40.5%  
Test Distance: 2.500m [K=1.1014]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.5072A P:60.12W PF:0.9877 Freq:60.01Hz Lamp Flux:7860.93x1 lm		
NAME: LED Canopy	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: P.Q.L., Inc.	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1392	1392	1392	1392	1392	1392	1392	1392	1392	1392	1392	1392	1392	1392	1392	1392	1392	1392	1392
5	1375	1376	1376	1378	1379	1384	1386	1386	1389	1391	1391	1392	1390	1390	1393	1395	1392	1387	1385
10	1392	1383	1394	1392	1400	1395	1391	1386	1382	1377	1379	1381	1382	1383	1387	1388	1395	1409	1412
15	1528	1551	1543	1520	1545	1516	1528	1517	1490	1476	1481	1449	1474	1460	1499	1505	1508	1554	1546
20	1620	1636	1543	1585	1579	1527	1561	1605	1543	1562	1622	1577	1551	1597	1659	1574	1567	1577	1523
25	1629	1638	1663	1628	1592	1561	1601	1616	1603	1571	1531	1566	1593	1581	1561	1615	1625	1630	1576
30	1611	1659	1769	1755	1693	1682	1679	1712	1677	1638	1591	1591	1560	1565	1613	1661	1720	1658	1627
35	1609	1581	1596	1610	1655	1651	1610	1576	1597	1634	1654	1601	1512	1583	1661	1619	1610	1633	1638
40	1602	1625	1650	1685	1709	1642	1682	1663	1675	1648	1615	1600	1622	1596	1622	1680	1672	1682	1658
45	1632	1654	1637	1625	1588	1590	1570	1546	1538	1579	1561	1563	1595	1569	1569	1579	1581	1554	1586
50	1627	1613	1589	1619	1630	1636	1611	1587	1561	1577	1588	1543	1561	1545	1579	1568	1599	1591	1605
55	1624	1605	1634	1608	1631	1623	1648	1536	1602	1529	1577	1553	1542	1602	1551	1611	1563	1618	1620
60	1518	1591	1481	1454	1502	1448	1583	1537	1467	1507	1494	1495	1539	1538	1530	1523	1568	1571	1460
65	1330	1354	1311	1327	1363	1388	1437	1390	1366	1362	1367	1323	1267	1282	1365	1362	1383	1392	1339
70	1182	1190	1140	1166	1211	1175	1217	1175	1189	1168	1136	1137	1141	1145	1172	1134	1136	1206	1223
75	1155	1102	1135	1079	1124	1050	1023	1038	1082	998	999	1007	1025	980	1011	1028	1016	983	1005
80	773	760	711	855	779	824	844	821	807	909	837	881	919	889	913	927	867	834	896
85	169	179	185	185	195	278	216	287	231	270	207	288	284	209	295	209	282	230	276
90	35.0	40.6	41.1	47.8	49.4	58.2	52.5	58.7	55.6	54.2	42.1	58.8	70.1	59.1	64.4	60.1	62.1	56.8	57.0
95	16.3	12.4	16.2	0.20	0.18	0.16	0.03	0.11	0.17	0.15	11.8	16.3	23.9	11.1	7.47	0.13	0.20	0.31	0.07
100	5.00	2.08	0.55	0.86	8.81	66.9	60.8	69.1	17.9	0.78	0.23	1.21	5.32	0.86	1.10	0.54	6.88	50.5	41.5
105	0.04	0.08	0.43	3.46	34.8	72.4	82.1	76.8	47.6	5.72	0.46	0.06	0.08	0.07	0.29	2.78	36.1	73.8	82.7
110	0.04	0.08	0.72	5.36	23.8	46.1	51.5	48.1	30.0	7.34	1.08	0.06	0.05	0.06	0.66	5.42	25.9	47.7	51.4
115	0.02	0.06	0.82	4.22	16.2	29.0	29.7	30.7	19.7	5.40	1.07	0.04	0.04	0.06	0.90	3.84	16.1	27.9	28.7
120	0.02	0.04	0.18	3.26	18.0	25.9	19.4	23.9	19.7	3.82	0.61	0.01	0.02	0.03	0.09	2.83	15.0	22.6	17.0
125	0.02	0.04	0.07	2.27	8.87	22.6	34.4	24.7	11.6	2.90	0.04	0.00	0.00	0.00	0.02	1.75	7.38	18.7	21.1
130	0.00	0.03	0.06	0.96	4.87	9.44	16.3	11.6	5.71	1.68	0.03	0.01	0.00	0.00	0.02	0.27	4.21	9.41	13.1
135	0.00	0.01	0.05	0.17	2.44	5.81	7.53	6.27	3.19	0.21	0.03	0.01	0.00	0.01	0.04	0.14	1.70	4.56	5.90
140	0.00	0.01	0.06	0.17	0.18	1.58	3.16	2.33	0.22	0.23	0.08	0.00	0.02	0.01	0.04	0.21	0.21	0.24	1.08
145	0.07	0.10	0.12	0.14	0.12	0.13	0.13	0.14	0.16	0.19	0.12	0.13	0.08	0.13	0.16	0.19	0.17	0.14	0.14
150	0.05	0.09	0.10	0.09	0.11	0.10	0.09	0.09	0.12	0.13	0.15	0.18	0.18	0.18	0.17	0.14	0.16	0.11	0.11
155	0.05	0.08	0.07	0.08	0.07	0.08	0.07	0.08	0.07	0.10	0.16	0.16	0.15	0.15	0.17	0.16	0.10	0.10	0.10
160	0.04	0.06	0.04	0.07	0.06	0.04	0.04	0.05	0.03	0.08	0.11	0.14	0.15	0.15	0.16	0.15	0.07	0.10	0.09
165	0.04	0.05	0.06	0.03	0.04	0.03	0.02	0.03	0.05	0.00	0.00	0.08	0.12	0.13	0.04	0.04	0.08	0.08	0.08
170	0.03	0.04	0.04	0.03	0.01	0.01	0.00	0.00	0.01	0.03	0.03	0.00	0.04	0.05	0.10	0.09	0.08	0.07	0.07
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.05	0.05	0.05	0.05	0.04
180	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.01	0.00	0.01	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 24.4DEG  
 Operators:Derek Lai  
 Test Date:14 November 2018

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.362  
 Humidity: 40.5%  
 Test Distance:2.500m [K=1.1014]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.5072A P:60.12W PF:0.9877 Freq:60.01Hz Lamp Flux:7860.93x1 lm		
NAME: LED Canopy	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: P.Q.L., Inc.	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	1392	1392	1392	1392	1392														
5	1382	1379	1374	1374	1374														
10	1421	1422	1417	1409	1388														
15	1534	1561	1523	1559	1553														
20	1535	1557	1533	1581	1631														
25	1577	1647	1683	1648	1603														
30	1633	1713	1710	1682	1608														
35	1663	1655	1649	1670	1649														
40	1662	1679	1697	1678	1628														
45	1595	1607	1593	1605	1654														
50	1608	1585	1610	1591	1637														
55	1660	1576	1657	1577	1681														
60	1566	1532	1514	1572	1500														
65	1393	1382	1361	1380	1285														
70	1221	1134	1157	1169	1190														
75	1011	1079	1047	1142	1170														
80	823	799	810	761	726														
85	209	243	185	170	175														
90	51.9	46.6	35.7	28.4	27.7														
95	0.17	0.19	0.43	15.5	8.63														
100	54.1	15.2	0.76	0.48	1.60														
105	72.3	42.1	5.00	0.45	0.07														
110	47.4	26.6	6.03	0.89	0.06														
115	27.6	17.3	4.32	0.97	0.05														
120	22.1	18.2	3.07	0.18	0.02														
125	17.7	7.55	1.97	0.02	0.00														
130	9.19	4.34	0.50	0.02	0.00														
135	4.58	1.73	0.17	0.04	0.01														
140	0.20	0.15	0.15	0.08	0.03														
145	0.10	0.11	0.13	0.13	0.14														
150	0.11	0.12	0.10	0.12	0.11														
155	0.09	0.10	0.11	0.10	0.10														
160	0.09	0.09	0.10	0.09	0.09														
165	0.09	0.07	0.08	0.09	0.09														
170	0.08	0.08	0.06	0.07	0.07														
175	0.05	0.03	0.03	0.01	0.02														
180	0.00	0.00	0.00	0.01	0.02														

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 24.4DEG  
 Operators:Derek Lai  
 Test Date:14 November 2018

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.362  
 Humidity: 40.5%  
 Test Distance:2.500m [K=1.1014]  
 Remarks:

Photometric Data Table [cd]

G/C	0.0	15.0	30.0	45.0	60.0	75.0	90.0	105.0	120.0	135.0
0.0	1392	1392	1392	1392	1392	1392	1392	1392	1392	1392
3.0	1383	1385	1384	1387	1386	1389	1390	1391	1392	1396
6.0	1372	1373	1374	1375	1376	1380	1383	1383	1386	1388
9.0	1371	1371	1378	1379	1384	1381	1381	1379	1378	1375
12.0	1471	1449	1452	1440	1460	1443	1440	1430	1418	1400
15.0	1528	1551	1543	1520	1545	1516	1528	1517	1490	1476
18.0	1592	1639	1564	1592	1614	1537	1574	1588	1529	1538
21.0	1616	1607	1541	1577	1553	1521	1542	1577	1533	1557
24.0	1612	1587	1618	1585	1565	1528	1553	1560	1551	1549
27.0	1637	1732	1731	1712	1659	1609	1674	1720	1674	1619
30.0	1611	1659	1769	1755	1693	1682	1679	1712	1677	1638
33.0	1574	1580	1632	1630	1632	1662	1623	1585	1630	1642
36.0	1638	1579	1615	1607	1636	1664	1620	1600	1615	1637
39.0	1618	1624	1671	1703	1688	1682	1685	1654	1685	1638
42.0	1645	1614	1622	1625	1626	1614	1619	1626	1632	1653
45.0	1632	1654	1637	1625	1588	1590	1570	1546	1538	1579
48.0	1632	1601	1599	1642	1638	1639	1605	1589	1598	1558
51.0	1610	1600	1604	1606	1603	1598	1598	1574	1555	1553
54.0	1669	1594	1636	1589	1657	1627	1646	1529	1606	1537
57.0	1605	1541	1584	1548	1541	1590	1574	1515	1537	1540
60.0	1518	1591	1481	1454	1502	1448	1583	1537	1467	1507
63.0	1392	1543	1441	1376	1422	1434	1470	1467	1417	1471
66.0	1311	1326	1266	1306	1336	1316	1371	1358	1305	1307
69.0	1241	1216	1188	1192	1197	1203	1231	1154	1201	1213
72.0	1079	1120	1084	1042	1060	1168	1124	1138	1097	1098
75.0	1155	1102	1135	1079	1124	1050	1023	1038	1082	997.7
78.0	1037	983.7	1028	1132	1060	963.3	964.5	956.9	1062	1121
81.0	663.6	670.0	581.0	677.4	630.8	721.5	769.7	742.1	703.1	774.7
84.0	208.1	307.9	209.3	301.6	291.9	378.6	334.4	394.5	356.6	373.2
87.0	107.0	115.1	107.9	127.0	121.4	131.5	128.6	138.6	138.1	135.5
90.0	34.98	40.58	41.12	47.82	49.37	58.18	52.46	58.68	55.63	54.19
93.0	0.2136	0.0380	0.0316	0.0005	7.642	0.0571	4.242	0.0289	10.26	0.0005
96.0	24.45	10.21	10.61	1.798	0.3020	0.2972	0.0930	0.3623	0.2653	1.082
99.0	7.986	2.892	2.585	0.7185	5.156	30.90	32.81	30.91	9.257	0.6714
102.0	0.0968	0.0754	0.3330	1.221	21.33	81.64	92.36	85.49	35.27	1.234
105.0	0.0388	0.0766	0.4345	3.464	34.78	72.41	82.08	76.83	47.59	5.724
108.0	0.0471	0.0808	0.6014	5.512	30.28	57.13	63.87	60.22	38.65	7.843
111.0	0.0319	0.0778	0.8372	5.057	21.24	40.55	44.47	42.22	26.09	6.884
114.0	0.0277	0.0643	0.8672	4.589	17.16	31.66	32.60	32.88	20.56	5.520
117.0	0.0001	0.0426	0.6132	3.618	14.90	25.87	24.54	25.72	16.14	4.574
120.0	0.0182	0.0422	0.1792	3.264	18.04	25.85	19.37	23.94	19.72	3.819
123.0	0.0220	0.0482	0.0783	2.668	13.43	23.33	19.54	22.46	16.10	3.316
126.0	0.0172	0.0321	0.0792	2.031	6.596	20.77	37.21	22.81	9.289	2.692
129.0	0	0.0288	0.0696	1.310	5.312	12.86	23.34	15.55	6.181	1.935
132.0	0.0062	0.0228	0.0487	0.1020	3.939	7.827	9.664	8.102	4.751	0.9549
135.0	0.0034	0.0071	0.0464	0.1656	2.440	5.808	7.528	6.272	3.187	0.2056
138.0	0.0056	0.0104	0.0490	0.2008	0.2305	3.613	4.810	4.051	1.011	0.2425
141.0	0.0001	0	0.0866	0.1571	0.1721	0.4535	1.914	0.9752	0.2089	0.2128
144.0	0.0362	0.0803	0.1198	0.1517	0.1388	0.1369	0.1338	0.1529	0.1822	0.1987
147.0	0.0792	0.1073	0.1086	0.1151	0.1133	0.1207	0.1146	0.1226	0.1367	0.1768
150.0	0.0530	0.0894	0.0959	0.0927	0.1126	0.1045	0.0858	0.0883	0.1212	0.1252
153.0	0.0412	0.0789	0.0917	0.0875	0.0894	0.0986	0.0827	0.0838	0.0926	0.1003
156.0	0.0486	0.0759	0.0584	0.0774	0.0682	0.0704	0.0666	0.0739	0.0594	0.0951
159.0	0.0449	0.0678	0.0471	0.0677	0.0621	0.0471	0.0479	0.0538	0.0345	0.0969
162.0	0.0374	0.0576	0.0533	0.0466	0.0569	0.0374	0.0301	0.0423	0.0691	0.0051
165.0	0.0407	0.0520	0.0617	0.0280	0.0352	0.0261	0.0199	0.0287	0.0461	0
168.0	0.0385	0.0493	0.0547	0.0314	0.0131	0.0138	0.0091	0.0101	0.0191	0.0277
171.0	0.0146	0.0189	0.0316	0.0186	0.0052	0.0093	0.0019	0.0011	0.0127	0.0239
174.0	0	0	0	0	0	0	0	0	0.0001	0
177.0	0	0	0	0	0	0	0	0	0.0026	0.0038
180.0	0.0123	0	0.0052	0.0052	0	0	0	0	0	0.0037
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	1392	1392	1392	1392	1392	1392	1392	1392	1392	1392
3.0	1397	1397	1395	1392	1391	1391	1387	1387	1387	1387
6.0	1387	1389	1387	1387	1390	1389	1390	1384	1381	1379
9.0	1379	1384	1385	1385	1384	1380	1385	1391	1390	1396
12.0	1396	1380	1380	1388	1408	1431	1443	1475	1478	1482
15.0	1481	1449	1474	1460	1499	1505	1508	1554	1546	1534
18.0	1588	1529	1538	1546	1602	1571	1556	1601	1541	1566
21.0	1608	1596	1568	1615	1647	1559	1553	1559	1517	1518
24.0	1540	1587	1602	1590	1561	1586	1586	1579	1557	1547
27.0	1587	1575	1600	1595	1589	1651	1695	1726	1628	1625
30.0	1591	1591	1560	1565	1613	1661	1720	1658	1627	1633

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 24.4DEG  
 Operators: Derek Lai  
 Test Date: 14 November 2018

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.362  
 Humidity: 40.5%  
 Test Distance: 2.500m [K=1.1014]  
 Remarks:

Photometric Data Table [cd]

33.0	1630	1604	1544	1582	1641	1657	1645	1628	1613	1667
36.0	1664	1605	1506	1593	1665	1617	1620	1642	1653	1679
39.0	1635	1606	1594	1594	1637	1658	1672	1686	1677	1711
42.0	1610	1602	1597	1595	1613	1657	1619	1608	1575	1597
45.0	1561	1563	1595	1569	1569	1579	1581	1554	1586	1595
48.0	1567	1561	1591	1568	1580	1590	1620	1605	1648	1603
51.0	1563	1549	1571	1558	1559	1548	1569	1556	1576	1603
54.0	1570	1541	1516	1582	1554	1593	1573	1615	1631	1663
57.0	1531	1597	1569	1597	1521	1635	1571	1593	1575	1594
60.0	1494	1495	1539	1538	1530	1523	1568	1571	1460	1566
63.0	1433	1409	1349	1480	1450	1464	1445	1409	1379	1408
66.0	1341	1273	1215	1253	1306	1295	1343	1350	1300	1310
69.0	1167	1170	1182	1184	1219	1160	1187	1186	1204	1241
72.0	1084	1123	1143	1125	1084	1124	1087	1113	1169	1130
75.0	998.6	1007	1025	979.8	1011	1028	1016	983.2	1005	1011
78.0	1056	1034	1008	1017	1091	1097	1042	998.4	984.2	1003
81.0	729.8	742.5	809.7	786.4	744.5	739.5	691.1	720.0	752.5	703.6
84.0	343.5	400.6	398.6	348.0	401.1	339.3	390.2	338.6	373.3	313.1
87.0	136.6	141.7	147.2	141.6	140.6	127.2	137.1	131.1	125.0	134.7
90.0	42.15	58.75	70.12	59.14	64.42	60.10	62.10	56.80	57.03	51.93
93.0	0.1233	0.0601	42.34	10.99	0.0217	4.170	1.006	9.284	0.7301	3.775
96.0	8.865	11.63	20.10	8.947	12.86	0.4535	0.2739	0.2799	0.1228	0.2518
99.0	1.452	2.658	7.959	2.165	3.293	0.4852	2.218	25.80	10.36	28.68
102.0	0.3705	0.0457	0.4550	0.0735	0.1946	0.8110	19.12	82.45	90.49	82.25
105.0	0.4620	0.0584	0.0775	0.0703	0.2898	2.777	36.14	73.78	82.70	72.33
108.0	0.7626	0.0613	0.0530	0.0583	0.4883	5.573	33.44	59.17	64.31	57.51
111.0	1.042	0.0542	0.0395	0.0673	0.7761	4.978	23.27	41.30	46.17	41.20
114.0	1.101	0.0411	0.0545	0.0650	0.9559	4.223	17.09	31.12	31.80	30.58
117.0	0.9480	0.0150	0.0123	0.0359	0.6692	3.275	12.99	23.26	22.63	22.97
120.0	0.6053	0.0120	0.0189	0.0291	0.0864	2.834	14.99	22.58	17.03	22.06
123.0	0.2112	0.0108	0	0.0134	0.0301	2.207	13.60	23.10	17.43	22.03
126.0	0.0382	0	0	0	0.0187	1.546	5.757	17.40	30.05	18.21
129.0	0.0356	0.0072	0	0.0000	0.0183	0.8003	4.605	11.37	18.06	10.92
132.0	0.0359	0.0105	0	0.0011	0.0214	0.0708	3.276	6.862	8.855	6.865
135.0	0.0299	0.0112	0.0000	0.0082	0.0359	0.1414	1.704	4.558	5.897	4.584
138.0	0.0292	0.0119	0.0157	0.0187	0.0307	0.2060	0.2198	2.264	3.477	2.278
141.0	0.1092	0	0.0118	0.0052	0.0780	0.2006	0.2037	0.1938	0.2133	0.1270
144.0	0.1142	0.0824	0.0314	0.0899	0.1467	0.1968	0.1701	0.1703	0.1387	0.1108
147.0	0.1304	0.1625	0.1535	0.1660	0.1795	0.1665	0.1551	0.1243	0.1104	0.0928
150.0	0.1463	0.1776	0.1850	0.1757	0.1747	0.1448	0.1618	0.1123	0.1090	0.1065
153.0	0.1556	0.1620	0.1659	0.1648	0.1709	0.1545	0.1389	0.1025	0.1227	0.0976
156.0	0.1512	0.1567	0.1484	0.1488	0.1650	0.1616	0.0987	0.1014	0.0972	0.0913
159.0	0.1162	0.1441	0.1499	0.1511	0.1638	0.1504	0.0772	0.1010	0.0883	0.0898
162.0	0.0896	0.1250	0.1423	0.1484	0.1495	0.0518	0.0785	0.0876	0.0849	0.0947
165.0	0.0000	0.0828	0.1172	0.1334	0.0449	0.0371	0.0808	0.0804	0.0753	0.0860
168.0	0	0	0.0318	0.0437	0.0400	0.0958	0.0822	0.0804	0.0726	0.0797
171.0	0.0307	0.0202	0.0689	0.0911	0.0968	0.0857	0.0792	0.0699	0.0662	0.0767
174.0	0.0064	0	0.0583	0.0619	0.0669	0.0633	0.0571	0.0562	0.0486	0.0554
177.0	0.0067	0.0098	0.0228	0.0332	0.0259	0.0296	0.0317	0.0244	0.0230	0.0092
180.0	0.0150	0.0187	0.0138	0	0.0052	0.0049	0	0	0	0
G/C	300.0	315.0	330.0	345.0						
0.0	1392	1392	1392	1392						
3.0	1386	1383	1384	1382						
6.0	1374	1372	1371	1370						
9.0	1394	1390	1385	1372						
12.0	1494	1467	1472	1461						
15.0	1561	1523	1559	1553						
18.0	1616	1565	1625	1631						
21.0	1544	1542	1566	1602						
24.0	1627	1658	1628	1581						
27.0	1692	1727	1669	1632						
30.0	1713	1710	1682	1608						
33.0	1614	1633	1666	1641						
36.0	1664	1667	1678	1647						
39.0	1678	1730	1703	1661						
42.0	1606	1622	1630	1617						
45.0	1607	1593	1605	1654						
48.0	1625	1647	1635	1582						
51.0	1571	1610	1581	1651						
54.0	1594	1645	1576	1659						
57.0	1580	1576	1560	1634						
60.0	1532	1514	1572	1500						
63.0	1462	1466	1418	1359						
66.0	1376	1304	1371	1275						

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 24.4DEG  
 Operators: Derek Lai  
 Test Date: 14 November 2018

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.362  
 Humidity: 40.5%  
 Test Distance: 2.500m [K=1.1014]  
 Remarks:



## Photometric Data Table [cd]

69.0	1174	1190	1213	1184
72.0	1116	1070	1058	1131
75.0	1079	1047	1142	1170
78.0	1059	1067	1100	1016
81.0	646.5	652.0	629.2	641.6
84.0	332.2	253.5	277.1	219.9
87.0	119.6	109.1	110.2	103.9
90.0	46.56	35.71	28.44	27.65
93.0	0.0739	0.1669	0.6216	0.2472
96.0	0.2800	2.089	10.42	12.88
99.0	10.37	0.6121	2.500	3.023
102.0	30.18	1.239	0.3765	0.0784
105.0	42.11	5.001	0.4498	0.0663
108.0	34.22	6.626	0.7232	0.0599
111.0	24.28	5.559	0.9976	0.0651
114.0	18.31	4.670	1.017	0.0591
117.0	15.26	3.667	0.7491	0.0341
120.0	18.17	3.070	0.1768	0.0189
123.0	14.12	2.412	0.0287	0.0087
126.0	6.107	1.749	0.0247	0
129.0	4.783	0.9606	0.0202	0
132.0	3.310	0.0738	0.0221	0.0097
135.0	1.728	0.1728	0.0356	0.0141
138.0	0.1619	0.1663	0.0428	0.0283
141.0	0.1422	0.1450	0.1045	0.0311
144.0	0.1088	0.1431	0.1325	0.1201
147.0	0.1058	0.1166	0.1242	0.1418
150.0	0.1159	0.1023	0.1160	0.1109
153.0	0.1096	0.1115	0.1193	0.1048
156.0	0.0965	0.1123	0.0886	0.0947
159.0	0.0946	0.1053	0.0876	0.0921
162.0	0.0942	0.0912	0.0846	0.0902
165.0	0.0670	0.0824	0.0920	0.0883
168.0	0.0782	0.0801	0.0860	0.0865
171.0	0.0707	0.0499	0.0676	0.0648
174.0	0.0463	0.0416	0.0224	0.0330
177.0	0.0100	0.0176	0.0026	0.0000
180.0	0	0.0037	0.0142	0.0172

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 24.4DEG  
 Operators: Derek Lai  
 Test Date: 14 November 2018

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.362  
 Humidity: 40.5%  
 Test Distance: 2.500m [K=1.1014]  
 Remarks: