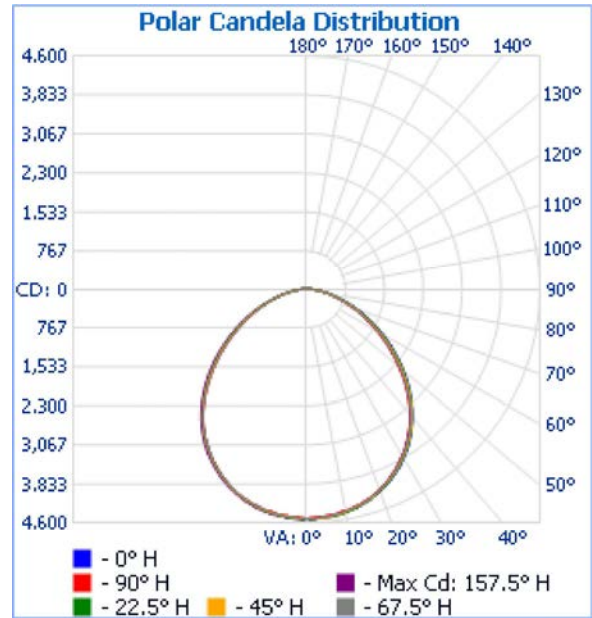


Photometrics Pro

Luminaire Photometric Report

Filename: 55225
Manufacturer: P.Q.L., Inc.
Luminaire: Flat High Bay 4000K (A1+B3) **Lamp Output:** 1
 lamp(s), rated Lumens/lamp: 11605.96
Max Candela: 4,542.6 at Horizontal: 157.5°, Vertical: 1°
Input Wattage: 88.4
Luminous Opening: Point
Test: Goniophotometer test
Test Date: 2016-10-25
Test Lab: UL-CCIC (Suzhou) Co.,Ltd
Photometry : Type C
CIE Class: Direct

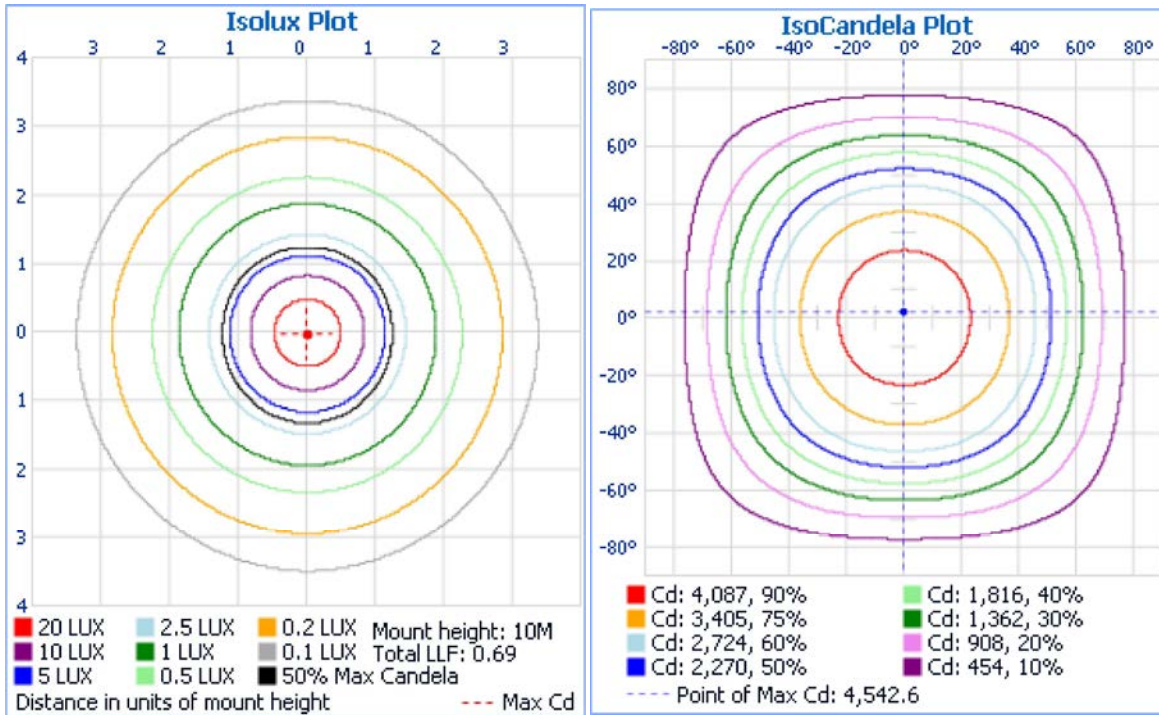


Roadway Summary		
Cutoff Classification:	FULL CUTOFF	
Distribution:	Type VS	
Max Cd, 90 Deg Vert:	0	
Max Cd, 80 to <90 Deg:	360.2	
	Lumens	% Lamp
Downward Street Side:	5,855.5	50.5%
Downward House Side:	5,751.7	49.6%
Downward Total:	11,607.3	100%
Upward Street Side:	0	0%
Upward House Side:	0	0%
Upward Total:	0	0%
Total Lumens:	11,607.3	100%

Flood Summary				
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	97.8%	11,346.1	153.4	155.1
Beam (50%):	70.7%	8,204.8	102.2	104.3
Total:	100%	11,603.4		

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	3,507.8	30.2%
0-40	5,705.7	49.2%
0-60	9,660.0	83.2%
60-90	1,945.9	16.8%
70-100	743.2	6.4%
90-120	0	0%
0-90	11,606.0	100%
90-180	0	0%
0-180	11,606.0	100%

Lumens Per Zone					
Zone	Lumens	% Total	Zone	Lumens	% Total
0-5	107.9	0.9%	90-95	0	0%
5-10	320.1	2.8%	95-100	0	0%
10-15	521.8	4.5%	100-105	0	0%
15-20	705.8	6.1%	105-110	0	0%
20-25	863.4	7.4%	110-115	0	0%
25-30	988.9	8.5%	115-120	0	0%
30-35	1,077.0	9.3%	120-125	0	0%
35-40	1,120.9	9.7%	125-130	0	0%
40-45	1,113.7	9.6%	130-135	0	0%
45-50	1,056.6	9.1%	135-140	0	0%
50-55	957.2	8.2%	140-145	0	0%
55-60	826.8	7.1%	145-150	0	0%
60-65	678.9	5.8%	150-155	0	0%
65-70	523.9	4.5%	155-160	0	0%
70-75	370.4	3.2%	160-165	0	0%
75-80	232.6	2.0%	165-170	0	0%
80-85	113.1	1.0%	170-175	0	0%
85-90	27.1	0.2%	175-180	0	0%



Illuminance at a Distance

	Center Beam LUX	Beam Width	
0.7M	10,164.15 LUX	1.7M	1.7M
1.3M	2,541.04 LUX	3.4M	3.3M
2.0M	1,129.35 LUX	5.1M	5.0M
2.7M	635.26 LUX	6.9M	6.6M
3.3M	406.57 LUX	8.6M	8.3M
4.0M	282.34 LUX	10.3M	9.9M

■ Vert. Spread: 104.3° ■ Horiz. Spread: 102.2°

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RCC %:	80				70				50				30				10				0
RW %:	70	50	30	0	70	50	30	0	50	30	20	0	50	30	20	0	50	30	20	0	0
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.11	1.06	1.06	1.06	1.06	1.02	1.02	1.02	1.02	1.00
1	1.10	1.05	1.01	.97	1.07	1.03	.99	.86	.99	.96	.93	.93	.95	.92	.90	.90	.91	.89	.87	.85	.85
2	1.00	.92	.86	.80	.98	.90	.85	.73	.87	.82	.78	.78	.84	.80	.76	.76	.81	.77	.74	.72	.72
3	.92	.82	.74	.68	.89	.80	.73	.63	.77	.71	.66	.66	.74	.69	.65	.65	.72	.67	.64	.61	.61
4	.84	.73	.64	.58	.82	.71	.63	.55	.69	.62	.57	.57	.67	.61	.56	.56	.64	.59	.55	.53	.53
5	.78	.65	.56	.50	.75	.64	.56	.48	.62	.55	.49	.49	.60	.54	.49	.49	.58	.53	.48	.46	.46
6	.72	.59	.50	.44	.70	.58	.50	.42	.56	.49	.43	.43	.54	.48	.43	.43	.53	.47	.43	.41	.41
7	.67	.53	.45	.39	.65	.53	.45	.38	.51	.44	.38	.38	.50	.43	.38	.38	.48	.42	.38	.36	.36
8	.62	.49	.41	.35	.61	.48	.40	.34	.47	.40	.34	.34	.46	.39	.34	.34	.44	.39	.34	.32	.32
9	.58	.45	.37	.31	.57	.44	.37	.31	.43	.36	.31	.31	.42	.36	.31	.31	.41	.35	.31	.29	.29
10	.54	.41	.34	.29	.53	.41	.33	.28	.40	.33	.28	.28	.39	.33	.28	.28	.38	.32	.28	.26	.26

Luminaire Report Summary

IESNA:LM-63-2002
[TEST] Goniophotometer test
[TESTLAB] UL-CCIC (Suzhou) Co.,Ltd
[TESTDATE] 2016-10-25
[ISSUEDATE] 2016-10-25
[MANUFAC] P.Q.L., Inc.
[LUMCAT]
[LUMINAIRE] 55225/4000K
[LAMP]

FILE: CREATED USING ABSOLUTE PHOTOMETRY
FILE: CANDELA MULTIPLIER: 1
FILE: VERTICAL ANGLES: 181, HORIZONTAL ANGLES: 17
FILE: COORDINATE SYSTEM: TYPE C
FILE: UNIT OF MEASURE: STANDARD
FILE: BALLAST FACTOR: 1

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Reported data calculated from manufacturer's data file, based on IES recommended methods.