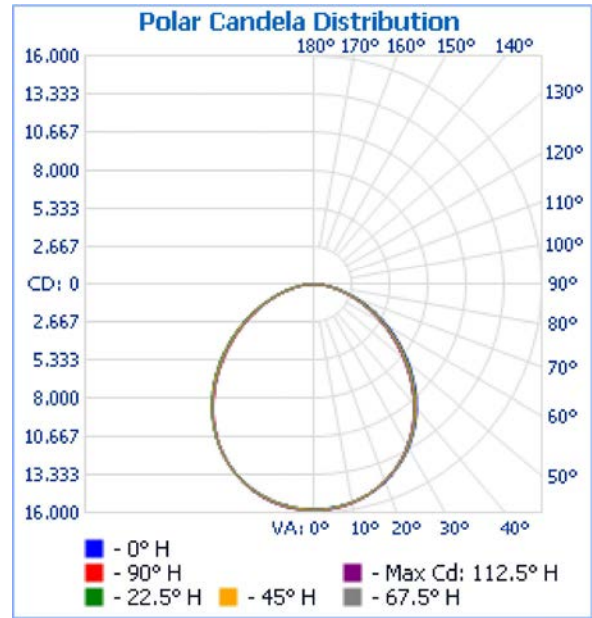


Photometrics Pro

Luminaire Photometric Report

Filename: 55232
Manufacturer: P.Q.L., Inc.
Luminaire: Flat High Bay 5000K (A1+B3)
Lamp Output: 1 lamp(s), rated Lumens/lamp: 41025.37
Max Candela: 15,832.5 at Horizontal: 112.5°, Vertical: 1°
Input Wattage: 315.6
Luminous Opening: Point
Test: Goniophotometer test
Test Date: 2016-11-16
Test Lab: UL-CCIC (Suzhou) Co.,Ltd
Photometry : Type C
CIE Class: Direct

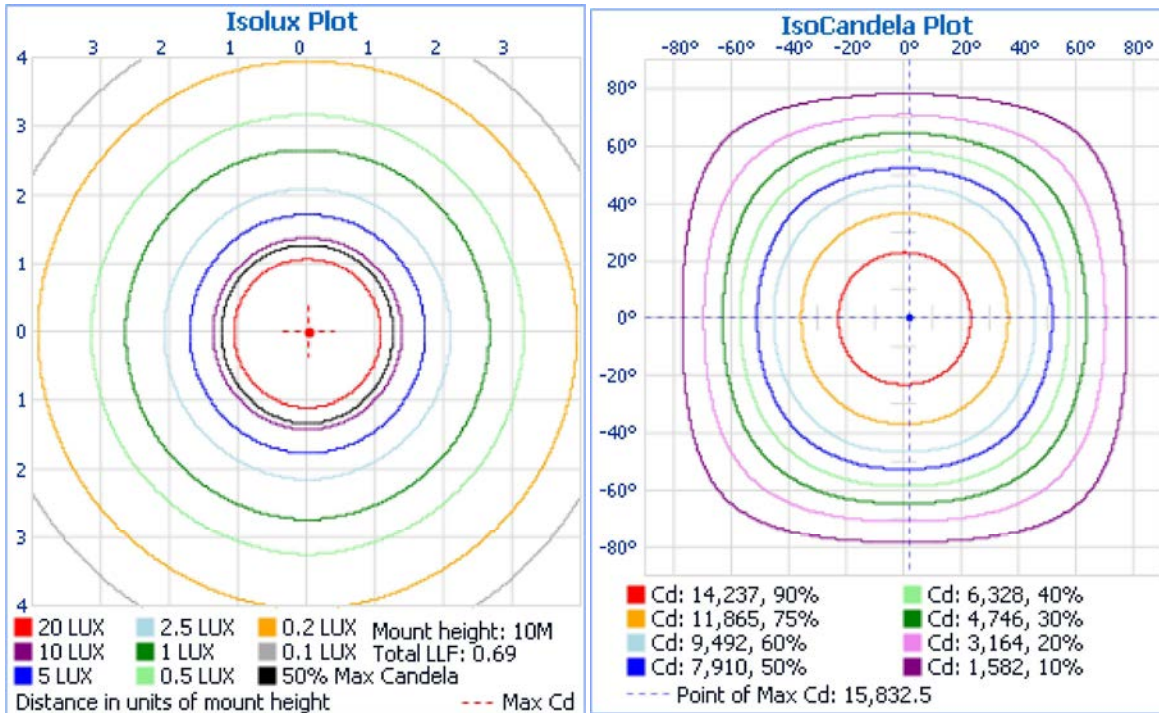


Roadway Summary		
Cutoff Classification:		CUTOFF
Distribution:		Type VS
Max Cd, 90 Deg Vert:		33.2
Max Cd, 80 to <90 Deg:		1,318.9
	Lumens	% Lamp
Downward Street Side:	20,524.1	50%
Downward House Side:	20,415.8	49.8%
Downward Total:	40,939.8	99.8%
Upward Street Side:	44.7	0.1%
Upward House Side:	45.3	0.1%
Upward Total:	90.0	0.2%
Total Lumens:	41,029.9	100%

Flood Summary				
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	97.6%	40,058.1	155.1	156.4
Beam (50%):	70.1%	28,756.4	102.7	105
Total:	100%	41,011.9		

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	12,206.5	29.8%
0-40	19,807.2	48.3%
0-60	33,681.3	82.1%
60-90	7,254.1	17.7%
70-100	2,830.7	6.9%
90-120	32.9	0.1%
0-90	40,935.3	99.8%
90-180	90.0	0.2%
0-180	41,025.4	100%

Lumens Per Zone					
Zone	Lumens	% Total	Zone	Lumens	% Total
0-5	376.9	0.9%	90-95	7.5	0%
5-10	1,117.7	2.7%	95-100	5.7	0%
10-15	1,819.7	4.4%	100-105	5.1	0%
15-20	2,456.5	6.0%	105-110	4.8	0%
20-25	3,001.9	7.3%	110-115	4.7	0%
25-30	3,433.7	8.4%	115-120	5.2	0%
30-35	3,728.4	9.1%	120-125	5.7	0%
35-40	3,872.3	9.4%	125-130	5.9	0%
40-45	3,853.8	9.4%	130-135	6.0	0%
45-50	3,680.1	9.0%	135-140	6.4	0%
50-55	3,375.0	8.2%	140-145	6.3	0%
55-60	2,965.2	7.2%	145-150	6.1	0%
60-65	2,482.4	6.1%	150-155	5.5	0%
65-70	1,954.1	4.8%	155-160	4.9	0%
70-75	1,408.1	3.4%	160-165	4.0	0%
75-80	883.3	2.2%	165-170	3.3	0%
80-85	422.8	1.0%	170-175	2.2	0%
85-90	103.4	0.3%	175-180	0.8	0%



Illuminance at a Distance

	Center Beam LUX	Beam Width	
0.7M	35,554.50 LUX	1.7M	1.7M
1.3M	8,888.63 LUX	3.5M	3.3M
2.0M	3,950.50 LUX	5.2M	5.0M
2.7M	2,222.16 LUX	7.0M	6.7M
3.3M	1,422.18 LUX	8.7M	8.3M
4.0M	987.63 LUX	10.4M	10.0M

■ Vert. Spread: 105.0° ■ Horiz. Spread: 102.7°

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	1.06	1.06	1.06	1.06	1.02	1.02	1.02	1.02	1.00	1.00
1	1.09	1.05	1.01	.97	1.07	1.03	.99	.86	.98	.95	.92	.94	.92	.90	.91	.89	.87	.87	.87	.85	.85
2	1.00	.92	.85	.80	.97	.90	.84	.73	.86	.81	.77	.83	.79	.75	.80	.77	.74	.74	.74	.71	.71
3	.91	.81	.73	.67	.89	.80	.72	.62	.77	.70	.65	.74	.68	.64	.71	.67	.63	.63	.63	.61	.61
4	.84	.72	.64	.57	.82	.71	.63	.54	.68	.61	.56	.66	.60	.55	.64	.59	.54	.54	.54	.52	.52
5	.77	.65	.56	.49	.75	.64	.55	.47	.61	.54	.49	.59	.53	.48	.58	.52	.48	.48	.48	.45	.45
6	.71	.58	.50	.43	.69	.57	.49	.42	.56	.48	.43	.54	.47	.42	.52	.47	.42	.42	.42	.40	.40
7	.66	.53	.44	.38	.65	.52	.44	.37	.51	.43	.38	.49	.43	.38	.48	.42	.37	.37	.37	.35	.35
8	.62	.48	.40	.34	.60	.48	.40	.33	.46	.39	.34	.45	.39	.34	.44	.38	.34	.34	.34	.32	.32
9	.58	.45	.36	.31	.56	.44	.36	.30	.43	.36	.31	.42	.35	.31	.41	.35	.30	.30	.30	.29	.29
10	.54	.41	.33	.28	.53	.41	.33	.28	.40	.33	.28	.39	.32	.28	.38	.32	.28	.28	.28	.26	.26

75	2335	2222	2150	2100	2080	2086	2124	2195	2140	2195	2124	2086	2080	2100	2150	2222	2335
76	2119	2012	1944	1898	1880	1884	1920	1986	1934	1986	1920	1884	1880	1898	1944	2012	2119
77	1907	1804	1742	1701	1683	1687	1720	1782	1736	1782	1720	1687	1683	1701	1742	1804	1907
78	1704	1606	1545	1510	1495	1496	1526	1588	1544	1588	1526	1496	1495	1510	1545	1606	1704
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81	1136	1055	1003	971	958	962	988	1039	1005	1039	988	962	958	971	1003	1055	1136
82	966	890	842	810	797	801	827	874	844	874	827	801	797	810	842	890	966
83	806	736	690	659	645	652	678	719	692	719	678	652	645	659	690	736	806
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85	520	460	426	397	380	392	416	448	427	448	416	392	380	397	426	460	520
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87	283	241	217	196	180	190	209	231	215	231	209	190	180	196	217	241	283
88	186	149	132	116	108	114	128	144	126	144	128	114	108	116	132	149	186
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Luminaire Report Summary

IESNA:LM-63-2002
[TEST] Goniophotometer test
[TESTLAB] UL-CCIC (Suzhou) Co.,Ltd
[TESTDATE] 2016-11-16
[ISSUEDATE] 2016-11-16
[MANUFAC] P.Q.L., Inc.
[LUMCAT]
[LUMINAIRE] 55232/5000K
[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.