



PREMIUM QUALITY LIGHTING

83130

LED 40W SQUARE CEILING LIGHT

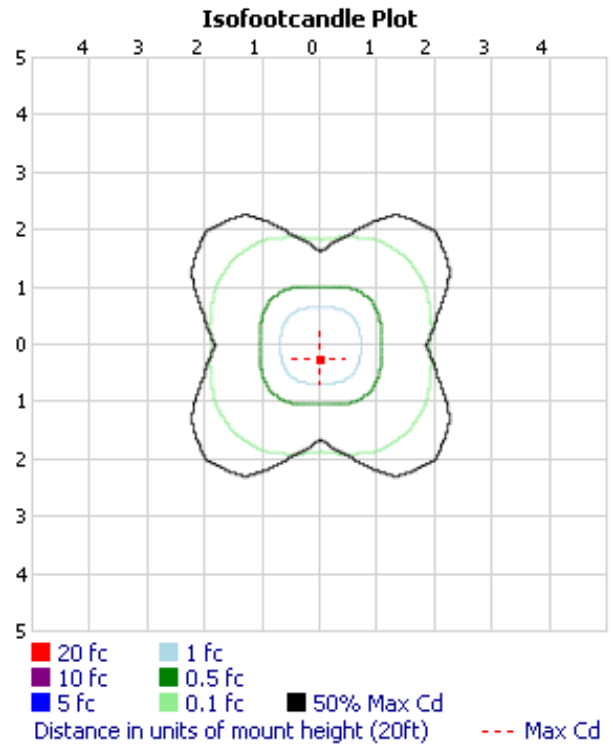
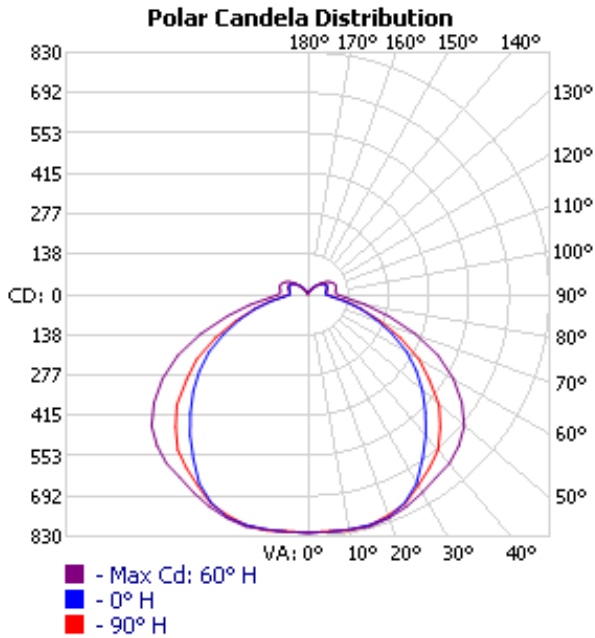
PHOTOMETRIC



• VIEW SELL SHEET

MANUFACTURER: PQL. INC.
 TEST #: LCZP13050084
 LUMINAIRE: 83130
 LAMP OUTPUT: 1 LAMP, RATED LUMENS/LAMP: 3436.5
 INPUT WATTAGE: 37.79
 LUMINOUS OPENING: RECTANGLE W/LUMINOUS SIDES
 (L: 10.24", W: 10.24", H: 4.72")

MAX CD: 823.9 AT HORIZONTAL: 60°, VERTICAL: 15°
 CUTOFF CLASS: SEMICUTOFF
 ROADWAY CLASS: TYPE VS
 EFFICIENCY: 99.9%



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	678.1	19.7%	19.7%
0-40	1,145.2	33.3%	33.3%
0-60	2,201.3	64.1%	64.1%
60-90	844.5	24.6%	24.6%
70-100	504.2	14.7%	14.7%
90-120	269.9	7.9%	7.9%
0-90	3,045.8	88.6%	88.7%
90-180	389.1	11.3%	11.3%
0-180	3,434.9	100%	100%

LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	78.1	2.3%	90-100	93.1	2.7%
10-20	232.0	6.8%	100-110	92.4	2.7%
20-30	368.1	10.7%	110-120	84.4	2.5%
30-40	467.1	13.6%	120-130	63.0	1.8%
40-50	529.6	15.4%	130-140	35.7	1%
50-60	526.4	15.3%	140-150	15.2	0.4%
60-70	433.3	12.6%	150-160	4.0	0.1%
70-80	274.4	8.0%	160-170	0.9	0%
80-90	136.8	4.0%	170-180	0.4	0%



Color & Finish - The color be customized (dark bronze, black, white, gray, brown etc.); the housing can be coated in matt, shiny, sanding finish or polyester powdercoated.
 Published lumens on LED products are approximate and may vary slightly.



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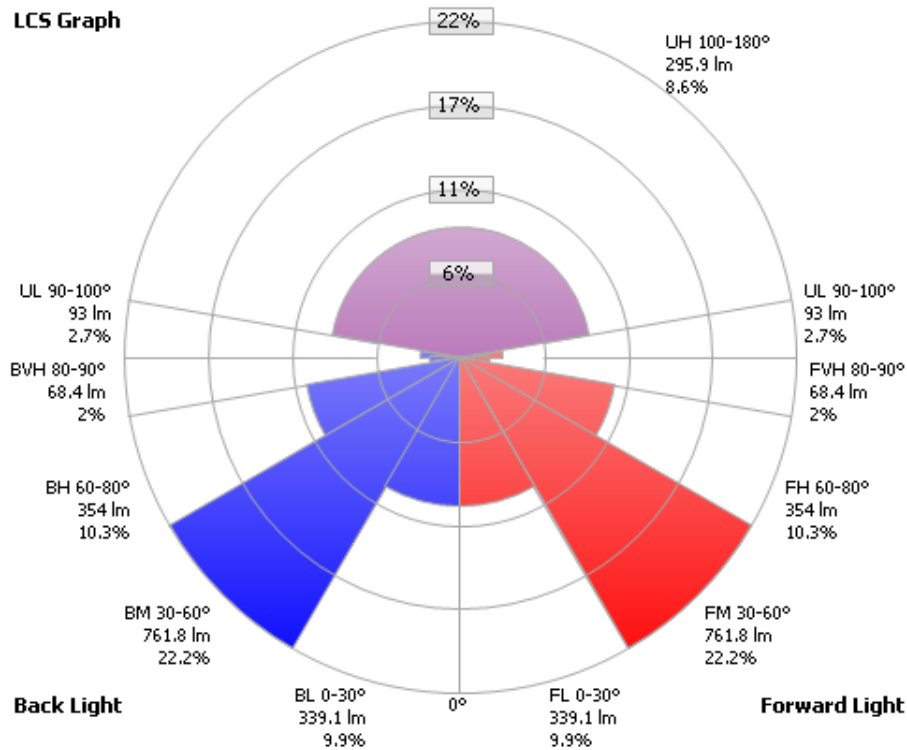
ROADWAY SUMMARY

	LUMENS	% LAMP
CUTOFF CLASSIFICATION:		SEMICUTOFF
DISTRIBUTION:		TYPE VS
MAX CD, 90 DEG VERT:		107.6
MAX CD, 80 TO <90 DEG:		218.4
DOWNWARD STREET SIDE:	1,523.2	44.3%
DOWNWARD HOUSE SIDE:	1,523.2	44.3%
DOWNWARD TOTAL:	3,046.5	88.7%
UPWARD STREET SIDE:	194.5	5.7%
UPWARD HOUSE SIDE:	194.5	5.7%
UPWARD TOTAL:	389.0	11.3%
TOTAL LUMENS:	3,435.4	100%

LCS TABLE

BUG RATING	B1 - U3 - G1	
	LUMEN	LUMENS %
FORWARD LIGHT		
LOW(0-30):	339.1	9.9%
MEDIUM(30-60):	761.8	22.2%
HIGH(60-80):	354.0	10.3%
VERY HIGH(80-90):	68.4	2%
BACK LIGHT		
LOW(0-30):	339.1	9.9%
MEDIUM(30-60):	761.8	22.2%
HIGH(60-80):	354.0	10.3%
VERY HIGH(80-90):	68.4	2%
UPLIGHT		
LOW(90-100):	93.0	2.7%
HIGH(100-180):	295.9	8.6%
TRAPPED LIGHT:	1.0	0%

LCS Graph



Scale = Max LCS %

☉ Trapped Light: 1lm, 0%



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CANDELA TABLE - TYPE C

	0	15	30	45	60	75	90
0	816	816	816	816	816	816	816
5	817	818	819	818	817	816	815
10	818	818	819	818	819	819	821
15	818	818	819	822	824	821	819
20	813	813	821	820	815	809	805
25	787	795	810	806	802	795	791
30	747	760	787	791	784	766	757
35	686	712	756	777	766	743	727
40	630	667	735	773	756	719	696
45	571	622	718	766	733	674	643
50	514	579	695	740	701	622	588
55	454	527	647	690	645	557	509
60	391	466	576	611	577	488	439
65	319	390	494	524	493	406	350
70	250	310	397	422	391	315	264
75	187	231	290	312	287	231	190
80	127	159	197	218	203	162	134
85	83	106	130	143	133	107	87
90	62	80	99	108	101	82	66
95	61	76	94	100	95	75	63
100	63	76	96	101	97	76	64
105	67	78	99	104	100	79	68
110	70	78	99	105	100	80	72
115	71	76	94	101	95	77	73
120	70	71	87	93	87	72	70
125	65	64	75	79	75	64	66
130	57	55	61	63	61	56	59
135	47	44	45	47	44	44	48
140	37	35	33	34	30	33	36
145	28	26	21	21	20	24	26
150	19	18	13	10	13	17	19
155	11	9	6	3	6	10	11
160	3	3	3	3	3	3	3
165	3	3	3	3	3	3	3
170	4	4	4	4	4	4	4
175	4	4	4	4	4	4	4
180	4	4	4	4	4	4	4



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