



PREMIUM QUALITY LIGHTING

83160

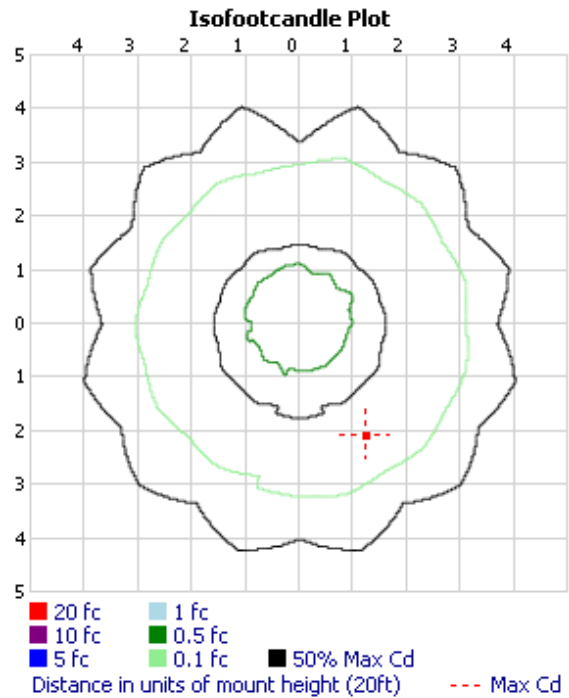
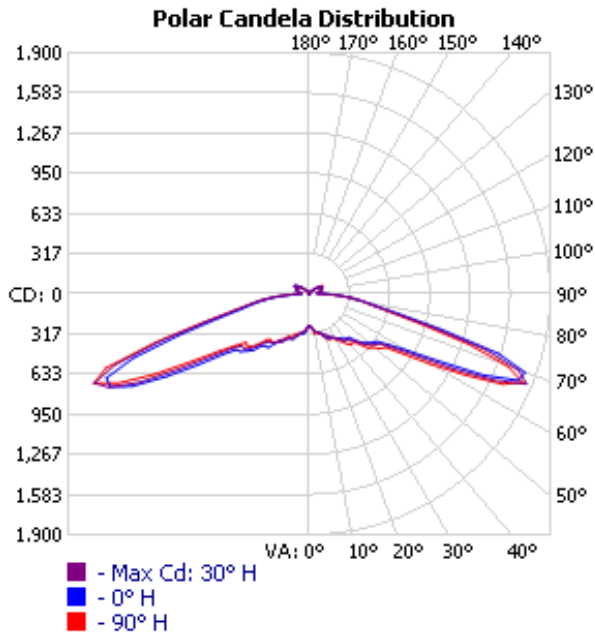
LED 60W ROUND CANOPY LIGHT

PHOTOMETRIC



• VIEW SELL SHEET

MANUFACTURER: PQL. INC.
 TEST #: 1
 LUMINAIRE: 83160
 LAMP OUTPUT: 1 LAMP, RATED LUMENS/LAMP: 5019.6
 LUMINOUS OPENING: POINT
 MAX CD: 1,854.3 AT HORIZONTAL: 30°, VERTICAL: 67.5°
 CUTOFF CLASS: SEMICUTOFF
 ROADWAY CLASS: SHORT, TYPE IV
 EFFICIENCY: 100.2%



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	299.9	6%	6%
0-40	586.3	11.7%	11.7%
0-60	1,733.5	34.5%	34.5%
60-90	2,863.2	57%	57%
70-100	1,421.7	28.3%	28.3%
90-120	285.4	5.7%	5.7%
0-90	4,596.7	91.6%	91.4%
90-180	430.4	8.6%	8.6%
0-180	5,027.1	100.1%	100%

LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	27.8	0.6%	90-100	80.6	1.6%
10-20	94.5	1.9%	100-110	96.5	1.9%
20-30	177.6	3.5%	110-120	108.3	2.2%
30-40	286.3	5.7%	120-130	89.5	1.8%
40-50	438.5	8.7%	130-140	40.6	0.8%
50-60	708.8	14.1%	140-150	12.7	0.3%
60-70	1,522.2	30.3%	150-160	2.1	0%
70-80	1,020.2	20.3%	160-170	0.0	0%
80-90	320.8	6.4%	170-180	0	0%



Published lumens on LED products are approximate and may vary slightly.



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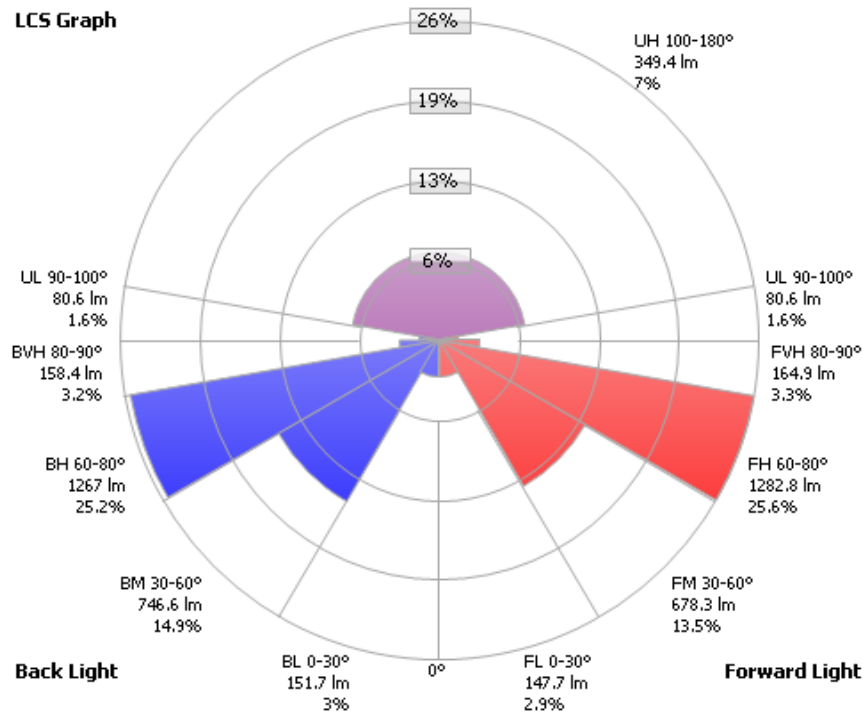
ROADWAY SUMMARY

CUTOFF CLASSIFICATION:	SEMICUTOFF	
DISTRIBUTION:	TYPE IV, SHORT	
MAX CD, 90 DEG VERT:	173.0	
MAX CD, 80 TO <90 DEG:	604.3	
	LUMENS	% LAMP
DOWNWARD STREET SIDE:	2,273.8	45.3%
DOWNWARD HOUSE SIDE:	2,323.7	46.3%
DOWNWARD TOTAL:	4,597.5	91.6%
UPWARD STREET SIDE:	209.9	4.2%
UPWARD HOUSE SIDE:	220.1	4.4%
UPWARD TOTAL:	430.0	8.6%
TOTAL LUMENS:	5,027.5	100.2%

LCS TABLE

BUG RATING	B3 - U3 - G3	
FORWARD LIGHT	LUMEN	LUMENS %
LOW(0-30):	147.7	2.9%
MEDIUM(30-60):	678.3	13.5%
HIGH(60-80):	1,282.8	25.6%
VERY HIGH(80-90):	164.9	3.3%
BACK LIGHT		
LOW(0-30):	151.7	3%
MEDIUM(30-60):	746.6	14.9%
HIGH(60-80):	1,267.0	25.2%
VERY HIGH(80-90):	158.4	3.2%
UPLIGHT		
LOW(90-100):	80.6	1.6%
HIGH(100-180):	349.4	7%
TRAPPED LIGHT:	0	0%

LCS Graph



Scale = Max LCS %

Trapped Light: 0lm, 0%



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PREMIUM QUALITY LIGHTING

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LED 60W ROUND CANOPY LIGHT
PHOTOMETRIC



• VIEW SELL SHEET

CANDELA TABLE - TYPE C

	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	285	300	315	330	
0	253	253	253	253	253	253	253	253	253	253	253	253	253	253	253	253	253	253	253	253	253	253	253	253
5	270	266	270	258	268	263	270	258	275	261	266	258	292	300	280	309	297	295	297	309	297	292	292	300
10	305	297	305	305	314	295	309	300	314	314	305	297	319	327	307	336	314	314	319	300	314	307	302	302
15	317	317	317	317	331	312	322	319	329	324	331	312	341	344	329	344	334	336	322	327	334	334	319	319
20	348	346	346	356	368	348	363	346	366	366	373	351	380	358	368	375	366	353	341	361	366	368	339	339
25	380	370	363	383	375	368	395	383	390	390	392	373	380	380	387	392	375	378	368	370	370	383	370	370
30	397	387	400	383	414	397	409	400	429	414	422	412	431	426	441	431	419	429	414	419	395	422	407	407
35	424	441	441	414	461	443	461	463	465	463	473	453	478	478	473	475	463	468	463	446	439	456	441	441
40	456	475	468	470	497	478	521	500	524	534	521	517	534	514	492	482	490	490	470	453	453	465	436	436
45	524	507	539	521	543	509	563	543	599	548	592	539	631	636	580	592	570	595	553	575	524	541	543	543
50	599	624	626	616	658	631	653	648	702	682	685	670	707	692	673	673	641	660	638	626	626	602	607	607
55	655	641	687	682	690	663	731	712	765	743	758	714	828	882	753	826	736	768	709	768	682	726	697	697
60	892	819	972	904	1006	906	1106	1021	1172	1028	1167	953	1299	1396	1179	1270	1133	1189	1058	1218	962	1114	999	999
65	1516	1377	1611	1491	1594	1443	1681	1584	1701	1606	1698	1511	1733	1823	1742	1725	1711	1733	1667	1784	1574	1686	1623	1623
70	1810	1849	1754	1830	1720	1747	1667	1757	1591	1752	1650	1754	1474	1355	1630	1355	1538	1389	1703	1528	1672	1438	1657	1657
75	1072	1287	987	1199	977	1140	904	1067	865	1109	919	1160	743	655	843	648	755	643	853	697	850	675	826	826
80	524	604	509	580	514	570	497	551	487	580	502	587	446	417	487	414	441	390	470	414	453	397	456	456
85	322	375	322	380	327	378	322	380	319	387	331	392	253	207	290	210	253	192	278	212	268	205	258	258
90	124	171	112	168	122	171	110	156	105	158	110	173	85	66	93	66	83	66	90	68	93	66	90	90
95	61	68	61	63	61	66	61	66	58	63	58	63	63	63	63	63	63	66	63	63	66	63	63	63
100	73	71	73	73	73	71	71	73	73	68	71	66	80	83	78	83	80	80	78	80	78	83	80	80
105	90	90	93	90	93	85	90	90	93	90	90	85	97	100	97	100	97	95	95	97	95	97	95	95
110	97	102	102	102	100	100	100	102	100	102	100	100	105	105	102	102	102	100	100	100	100	97	97	100
115	100	102	102	105	102	105	107	107	107	107	105	107	115	119	112	115	107	112	105	110	102	107	102	102
120	115	117	115	124	122	127	124	129	127	132	129	129	132	129	129	122	122	112	115	107	107	97	107	107
125	95	107	97	110	105	117	110	122	112	124	115	127	107	97	107	90	95	80	88	76	85	76	83	83
130	68	78	73	80	76	85	76	90	80	93	83	93	80	68	80	66	71	58	66	56	63	54	61	61
135	49	56	49	56	51	63	51	63	54	66	58	68	56	46	56	44	49	39	46	37	44	37	44	44
140	29	37	29	37	32	39	32	39	34	41	37	46	34	29	34	24	29	24	29	22	27	22	27	27
145	19	22	19	22	19	22	19	24	19	24	19	27	19	15	19	15	17	12	17	12	17	12	17	17
150	10	12	10	15	10	12	10	12	10	12	10	15	12	7	10	7	10	5	10	7	7	7	10	10
155	2	7	5	5	5	5	2	5	2	7	2	7	2	0	5	2	5	0	5	0	2	2	2	2
160	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	2	0	0	0	0	0
165	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



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