



PREMIUM QUALITY LIGHTING

83132

LED 60W SQUARE CEILING LIGHT

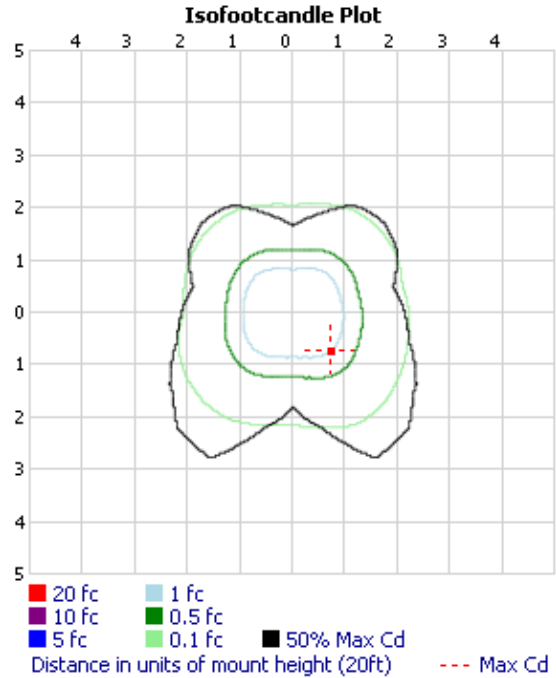
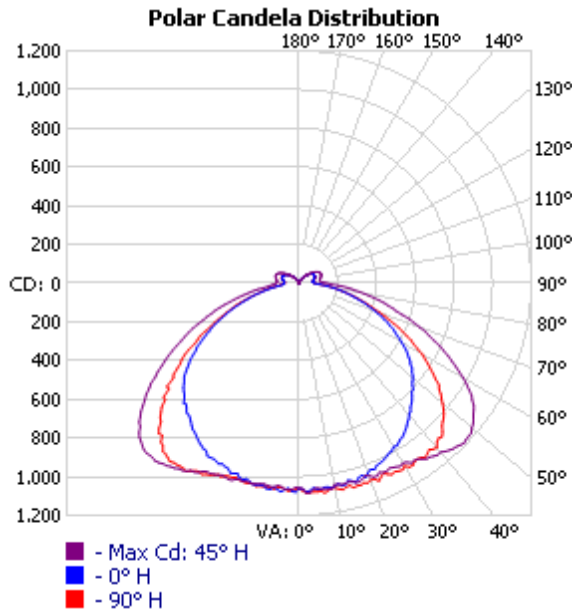
PHOTOMETRIC



• VIEW SELL SHEET

MANUFACTURER: PQL, INC.
 TEST #: LCZP12080082
 LUMINAIRE: 83132
 LAMP OUTPUT: 1 LAMP, RATED LUMENS/LAMP: 4833.2
 INPUT WATTAGE: 59.13
 LUMINOUS OPENING: RECTANGLE W/LUMINOUS SIDES
 (L: 10.63", W: 10.63", H: 4.72")

MAX CD: 1,186.6 AT HORIZONTAL: 45°, VERTICAL: 46°
 CUTOFF CLASS: SEMICUTOFF
 ROADWAY CLASS: TYPE VS
 EFFICIENCY: 100%



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	895.5	18.5%	18.5%
0-40	1,573.4	32.6%	32.6%
0-60	3,160.4	65.4%	65.4%
60-90	1,199.9	24.8%	24.8%
70-100	685.2	14.2%	14.2%
90-120	325.2	6.7%	6.7%
0-90	4,360.3	90.2%	90.2%
90-180	472.7	9.8%	9.8%
0-180	4,832.9	100%	100%

LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	101.5	2.1%	90-100	109.2	2.3%
10-20	300.9	6.2%	100-110	111.4	2.3%
20-30	493.1	10.2%	110-120	104.6	2.2%
30-40	677.9	14.0%	120-130	77.9	1.6%
40-50	801.3	16.6%	130-140	44.0	0.9%
50-60	785.7	16.3%	140-150	19.0	0.4%
60-70	623.9	12.9%	150-160	4.9	0.1%
70-80	391.3	8.1%	160-170	1.2	0%
80-90	184.8	3.8%	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.
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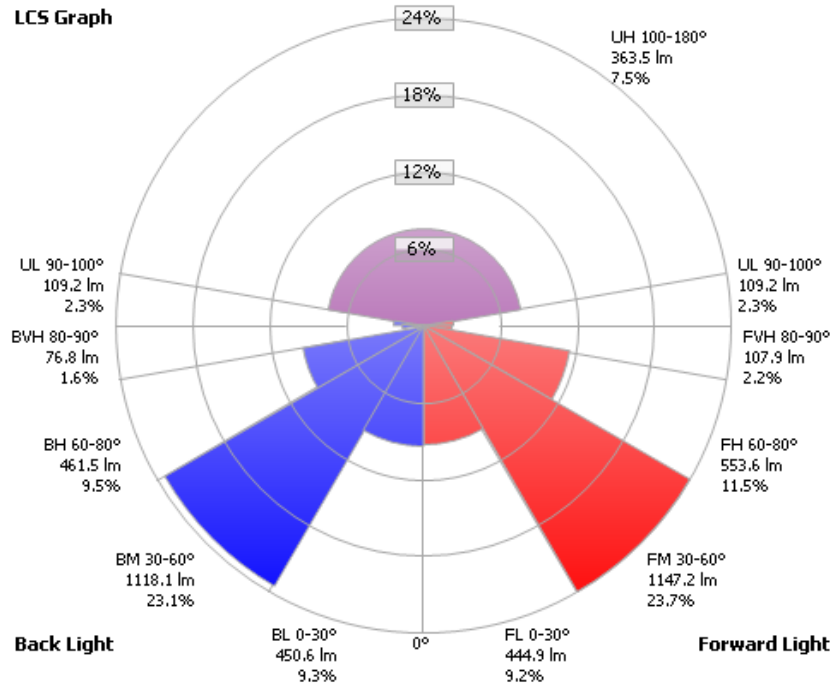
ROADWAY SUMMARY

CUTOFF CLASSIFICATION:	SEMICUTOFF	
DISTRIBUTION:	TYPE VS	
MAX CD, 90 DEG VERT:	147.8	
MAX CD, 80 TO <90 DEG:	378.7	
	LUMENS	% LAMP
DOWNWARD STREET SIDE:	2,253.6	46.6%
DOWNWARD HOUSE SIDE:	2,107.0	43.6%
DOWNWARD TOTAL:	4,360.5	90.2%
UPWARD STREET SIDE:	242.5	5%
UPWARD HOUSE SIDE:	230.1	4.8%
UPWARD TOTAL:	472.6	9.8%
TOTAL LUMENS:	4,833.2	100%

LCS TABLE

BUG RATING	B2 - U3 - G2	
FORWARD LIGHT	LUMEN	LUMENS %
LOW(0-30):	444.9	9.2%
MEDIUM(30-60):	1,147.2	23.7%
HIGH(60-80):	553.6	11.5%
VERY HIGH(80-90):	107.9	2.2%
BACK LIGHT		
LOW(0-30):	450.6	9.3%
MEDIUM(30-60):	1,118.1	23.1%
HIGH(60-80):	461.5	9.5%
VERY HIGH(80-90):	76.8	1.6%
UPLIGHT		
LOW(90-100):	109.2	2.3%
HIGH(100-180):	363.5	7.5%
TRAPPED LIGHT:	0.0	0%

LCS Graph



Scale = Max LCS %

☉ Trapped Light: 0lm, 0%



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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	1059	1059	1059	1059	1059	1059	1059	1059	1059	1059	1059	1059	1059	1059	1059	1059	1059	1059	1059	1059	1059	1059	1059
5	1069	1066	1059	1062	1071	1084	1082	1054	1084	1071	1071	1075	1081	1070	1057	1055	1066	1039	1059	1060	1049	1048	1054
10	1065	1063	1067	1056	1066	1055	1073	1078	1079	1065	1075	1066	1062	1053	1062	1053	1055	1064	1065	1043	1051	1040	1062
15	1058	1037	1053	1061	1069	1083	1093	1077	1080	1070	1076	1056	1046	1042	1063	1060	1058	1063	1068	1061	1056	1049	1038
20	1041	1057	1045	1058	1060	1069	1082	1073	1092	1091	1064	1047	1041	1035	1053	1076	1075	1063	1061	1055	1055	1061	1043
25	1016	1019	1055	1071	1086	1066	1089	1111	1118	1102	1062	1036	1014	1025	1051	1085	1104	1109	1094	1069	1064	1071	1043
30	976	993	1041	1072	1096	1098	1090	1109	1131	1115	1078	1013	988	1014	1075	1117	1147	1133	1119	1106	1104	1080	1033
35	946	972	1047	1109	1131	1103	1098	1107	1140	1146	1090	991	940	982	1089	1156	1177	1160	1130	1149	1142	1110	1042
40	884	941	1061	1138	1155	1129	1108	1095	1137	1157	1094	958	887	949	1090	1177	1175	1126	1094	1146	1167	1139	1044
45	826	911	1065	1181	1153	1084	1045	1019	1087	1130	1079	930	839	926	1065	1156	1109	1039	1009	1107	1152	1153	1038
50	768	863	1059	1165	1087	1000	968	924	1010	1083	1016	866	775	853	1000	1072	1011	938	915	1024	1086	1123	1003
55	702	809	1012	1102	991	910	858	808	909	977	920	781	687	757	893	945	894	806	770	909	983	1042	937
60	612	722	934	981	864	773	737	684	785	839	798	671	573	646	763	801	763	664	623	772	861	917	836
65	517	625	811	824	726	629	591	537	641	682	657	545	458	522	631	653	614	527	484	645	729	772	717
70	417	509	670	663	572	488	444	405	494	525	512	418	346	399	492	508	477	395	358	505	588	618	586
75	317	396	521	502	432	361	326	294	369	387	373	301	240	285	360	371	341	278	247	375	456	483	455
80	222	288	379	367	318	259	223	198	250	263	244	192	150	184	237	252	237	191	162	266	331	355	335
85	137	185	245	247	215	174	144	121	150	152	141	115	89	114	141	152	146	119	96	178	222	236	216
90	84	116	142	148	132	108	85	91	112	117	109	92	77	93	112	120	113	93	76	115	140	148	134
95	71	91	109	113	106	87	72	89	108	111	107	90	77	91	108	114	110	91	76	92	111	115	107
100	74	91	107	108	107	87	73	95	116	116	114	94	82	95	114	120	119	98	86	93	109	112	105
105	79	95	113	115	115	95	82	100	121	123	120	99	88	99	119	126	123	103	93	101	117	117	111
110	85	100	117	122	119	98	88	100	120	125	121	100	92	99	118	127	121	103	96	104	121	122	114
115	88	100	117	123	116	97	90	95	114	120	116	96	91	95	113	121	115	97	94	102	119	122	112
120	88	96	112	117	110	91	87	86	103	109	106	88	87	86	102	107	103	87	88	97	112	115	107
125	84	88	103	103	100	83	82	75	86	91	90	77	79	75	85	89	86	75	78	86	100	101	96
130	76	74	86	87	83	72	74	62	65	72	70	63	65	61	66	70	66	62	66	72	82	83	80
135	62	59	66	69	64	59	62	47	46	54	52	50	51	48	49	53	47	48	52	58	63	67	62
140	49	46	49	54	46	45	48	35	29	38	35	39	41	38	33	37	30	36	39	45	47	52	46
145	38	36	34	37	28	34	36	26	21	22	23	29	30	28	22	21	21	26	29	34	31	37	31
150	29	27	22	20	20	25	26	17	12	3	12	18	20	18	12	3	13	18	20	25	19	22	23
155	20	17	12	3	11	15	16	8	3	3	3	6	7	7	3	3	3	7	10	16	11	4	14
160	9	7	4	4	4	7	8	3	3	3	3	3	3	3	3	3	3	3	3	5	4	4	4
165	5	4	4	4	4	4	4	3	4	3	4	3	3	3	3	3	4	3	3	4	4	4	5
170	5	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5
175	5	5	5	5	5	5	5	5	4	4	4	5	5	4	4	4	4	4	5	5	5	5	5
180	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5



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