



PREMIUM QUALITY LIGHTING

83123

LED 90W LARGE WALL PACK

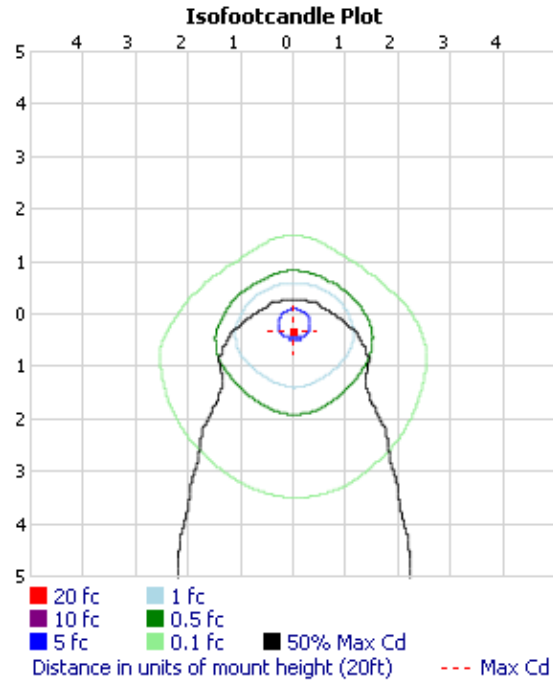
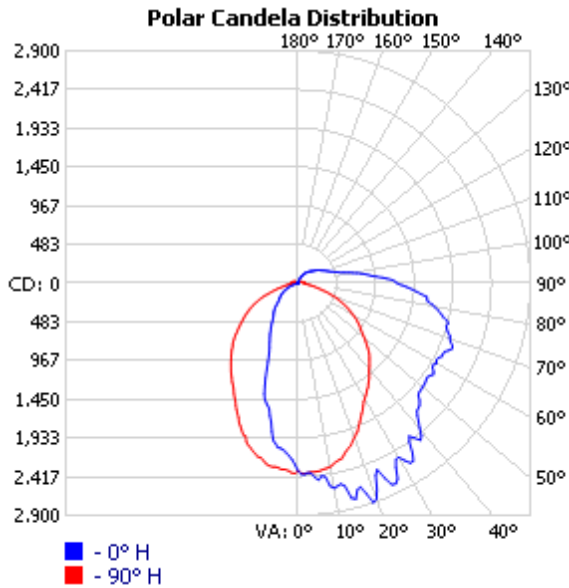
PHOTOMETRIC



• VIEW SELL SHEET

MANUFACTURER: PQL INC.
 TEST #: LCZP13050076
 LUMINAIRE: 83123
 LAMP OUTPUT: 1 LAMP, RATED LUMENS/LAMP: 7135.9
 INPUT WATTAGE: 85.78
 LUMINOUS OPENING: RECTANGLE W/LUMINOUS SIDES
 (L: 14.57", W: 7.87", H: 3.15")

MAX CD: 2,895.4 AT HORIZONTAL: 0°, VERTICAL: 19°
 CUTOFF CLASS: NONCUTOFF
 ROADWAY CLASS: VERY SHORT, TYPE IV
 EFFICIENCY: 100%



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	1,656.8	23.2%	23.2%
0-40	2,586.2	36.2%	36.2%
0-60	4,396.7	61.6%	61.6%
60-90	1,972.4	27.6%	27.6%
70-100	1,455.1	20.4%	20.4%
90-120	590.0	8.3%	8.3%
0-90	6,369.1	89.3%	89.3%
90-180	766.5	10.7%	10.7%
0-180	7,135.6	100%	100%

LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	215.5	3.0%	90-100	293.5	4.1%
10-20	599.7	8.4%	100-110	175.5	2.5%
20-30	841.6	11.8%	110-120	121.0	1.7%
30-40	929.4	13.0%	120-130	81.1	1.1%
40-50	933.5	13.1%	130-140	49.8	0.7%
50-60	877.0	12.3%	140-150	28.0	0.4%
60-70	810.8	11.4%	150-160	12.7	0.2%
70-80	679.6	9.5%	160-170	3.9	0.1%
80-90	482.0	6.8%	170-180	1.0	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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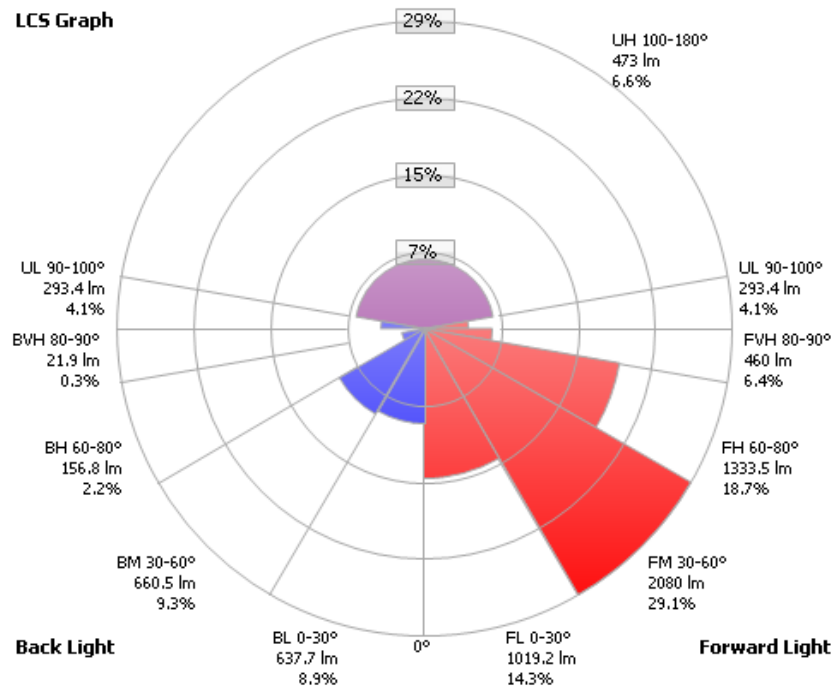
ROADWAY SUMMARY

CUTOFF CLASSIFICATION:	NONCUTOFF	
DISTRIBUTION:	TYPE IV, VERY SHORT	
MAX CD, 90 DEG VERT:	1,240.9	
MAX CD, 80 TO <90 DEG:	1,740.7	
	LUMENS	% LAMP
DOWNWARD STREET SIDE:	4,892.6	68.6%
DOWNWARD HOUSE SIDE:	1,476.9	20.7%
DOWNWARD TOTAL:	6,369.5	89.3%
UPWARD STREET SIDE:	715.2	10%
UPWARD HOUSE SIDE:	51.2	0.7%
UPWARD TOTAL:	766.4	10.7%
TOTAL LUMENS:	7,135.9	100%

LCS TABLE

BUG RATING	B2 - U3 - G3	
FORWARD LIGHT	LUMEN	LUMENS %
LOW(0-30):	1,019.2	14.3%
MEDIUM(30-60):	2,080.0	29.1%
HIGH(60-80):	1,333.5	18.7%
VERY HIGH(80-90):	460.0	6.4%
BACK LIGHT		
LOW(0-30):	637.7	8.9%
MEDIUM(30-60):	660.5	9.3%
HIGH(60-80):	156.8	2.2%
VERY HIGH(80-90):	21.9	0.3%
UPLIGHT		
LOW(90-100):	293.4	4.1%
HIGH(100-180):	473.0	6.6%
TRAPPED LIGHT:	0	0%

LCS Graph



Back Light

Forward Light

Scale = Max LCS %

Trapped Light: 0lm, 0%



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• 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	2339	2339	2339	2339	2339	2339	2339	2339	2339	2339	2339	2339	2339	2339	2339	2339	2339	2339	2339	2339	2339	2339	2339	
5	2435	2421	2383	2346	2340	2368	2363	2263	2189	2136	2105	2095	2089	2085	2106	2118	2155	2227	2334	2330	2325	2350	2405	
10	2598	2601	2536	2397	2410	2292	2324	2137	2023	2005	1983	1927	1883	1911	1979	2007	2024	2124	2292	2282	2382	2374	2502	
15	2787	2801	2625	2479	2392	2296	2214	1973	1896	1797	1581	1541	1545	1550	1560	1751	1899	1970	2173	2252	2340	2491	2590	
20	2865	2883	2667	2678	2324	2193	2050	1814	1699	1450	1379	1224	1142	1208	1359	1429	1702	1802	2009	2203	2337	2649	2625	
25	2775	2710	2521	2557	2375	2069	1850	1609	1488	1247	1039	883	848	865	987	1234	1406	1600	1795	2018	2322	2480	2540	
30	2507	2502	2533	2259	2178	1861	1665	1411	1212	1023	791	715	689	713	781	960	1160	1397	1601	1871	2190	2297	2519	
35	2421	2525	2270	2254	2046	1698	1529	1264	1001	765	633	571	555	561	617	720	946	1234	1444	1664	1976	2224	2247	
40	2361	2384	2177	2014	1876	1709	1384	1086	796	573	503	452	472	454	490	555	760	1053	1306	1580	1858	1982	2213	
45	2147	2092	2047	1935	1762	1599	1257	916	626	442	380	374	383	375	380	429	596	880	1171	1610	1794	1915	2040	
50	2023	1918	1856	1765	1677	1460	1091	749	470	329	289	290	306	290	294	326	451	718	1028	1438	1643	1751	1824	
55	2007	1870	1697	1627	1522	1336	941	578	349	244	222	242	264	250	226	242	337	572	876	1332	1540	1656	1672	
60	1996	1892	1670	1484	1401	1178	798	430	251	185	173	191	210	198	177	185	250	432	740	1179	1407	1509	1647	
65	2017	1912	1642	1390	1256	1022	641	299	182	148	131	137	150	145	134	148	183	304	599	1060	1245	1419	1615	
70	2016	1899	1608	1342	1082	838	473	201	133	110	88	83	90	88	91	109	138	212	425	900	1093	1319	1579	
75	1940	1808	1478	1214	925	661	299	134	98	70	46	35	31	36	48	72	102	143	264	730	960	1239	1466	
80	1741	1616	1313	1029	774	467	175	92	63	39	18	9	9	9	16	40	73	99	161	520	800	1046	1300	
85	1544	1422	1100	839	576	284	109	68	46	30	16	9	10	10	14	30	51	73	102	309	630	853	1080	
90	1241	1151	885	648	408	170	79	62	43	26	14	10	10	10	13	26	45	64	79	182	430	648	886	
95	975	901	681	478	280	135	73	59	39	22	13	10	11	10	12	21	40	62	76	131	285	475	673	
100	743	682	523	350	219	128	69	56	34	19	11	10	10	10	11	18	35	59	73	123	217	351	522	
105	525	521	398	290	196	120	64	49	27	16	10	9	10	10	10	15	27	53	68	119	195	282	386	
110	432	421	345	259	181	111	57	40	22	14	9	9	9	9	9	13	21	43	61	110	178	250	334	
115	371	364	304	234	160	96	49	31	18	12	8	8	9	8	8	11	17	32	53	96	158	225	291	
120	324	317	269	206	139	82	40	24	15	10	7	7	7	7	7	9	14	23	43	82	136	199	258	
125	284	274	233	176	120	65	31	17	12	7	5	6	6	6	5	7	11	17	32	69	117	170	222	
130	241	237	205	152	101	50	23	13	9	5	4	4	4	4	4	4	8	13	22	52	98	144	189	
135	213	200	176	133	84	34	16	10	6	3	3	4	3	3	3	3	6	10	15	35	80	124	165	
140	182	177	152	114	66	19	12	8	5	3	4	4	4	4	4	4	5	8	11	21	65	110	144	
145	155	147	124	90	45	12	9	6	5	4	5	5	5	5	5	4	5	6	9	13	45	86	119	
150	122	117	98	65	31	9	8	5	5	5	6	6	6	6	6	5	5	6	7	9	33	68	99	
155	95	92	74	46	14	8	8	6	6	6	6	6	6	7	6	7	6	6	6	6	8	17	48	74
160	62	57	43	25	9	9	9	7	7	8	8	8	8	8	8	8	7	7	7	8	8	26	46	
165	32	30	20	9	10	10	10	8	8	9	9	9	9	9	9	9	9	9	9	9	9	9	23	
170	10	10	10	10	11	11	11	9	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
175	10	11	11	11	11	11	12	10	10	11	11	11	11	11	11	11	11	11	11	11	11	11	10	
180	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	



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