



PREMIUM QUALITY LIGHTING

83156

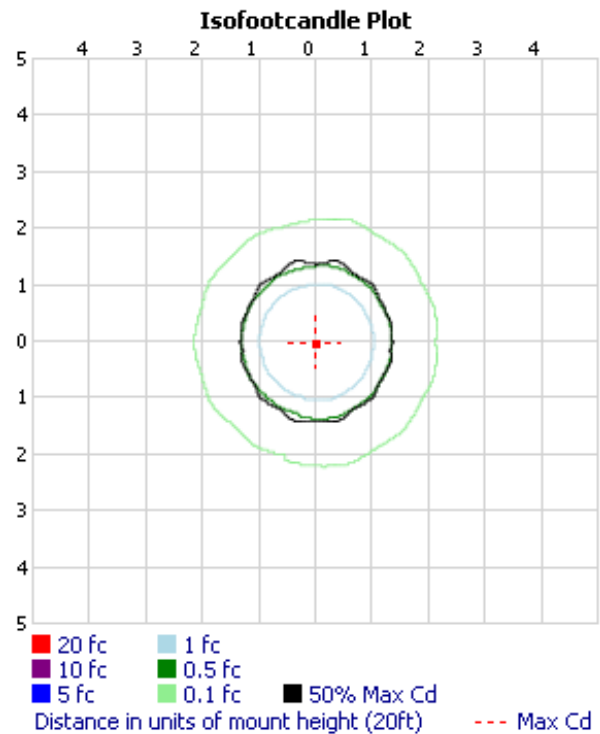
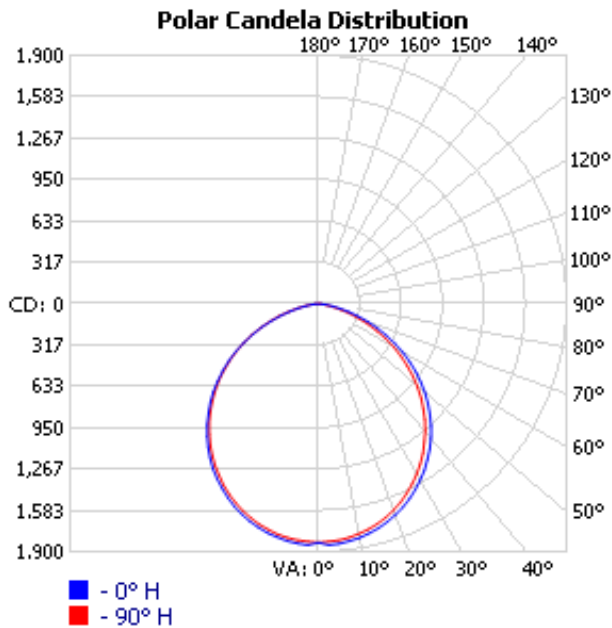
LED 60W LARGE CUT-OFF WALL PACK

PHOTOMETRIC



• VIEW SELL SHEET

MANUFACTURER: PQL. INC.
 TEST #: 1
 LUMINAIRE: 83156
 LAMP OUTPUT: 1 LAMP, RATED LUMENS/LAMP: 4786.8
 LUMINOUS OPENING: POINT
 MAX CD: 1,849.5 AT HORIZONTAL: 0°, VERTICAL: 2.5°
 CUTOFF CLASS: CUTOFF
 ROADWAY CLASS: VERY SHORT, TYPE II
 EFFICIENCY: 100.1%



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	1,412.5	29.5%	29.5%
0-40	2,301.2	48.1%	48%
0-60	3,983.7	83.2%	83.2%
60-90	806.3	16.8%	16.8%
0-90	4,789.9	100.1%	100%

LUMENS PER ZONE

ZONE	LUMENS	% TOTAL
0-10	172.9	3.6%
10-20	494.4	10.3%
20-30	745.2	15.6%
30-40	888.7	18.6%
40-50	902.6	18.8%
50-60	779.9	16.3%
60-70	536.4	11.2%
70-80	235.8	4.9%
80-90	34.1	0.7%



DESIGNLIGHTS
CONSORTIUM

Please check DLC website for the most current list of approved items • www.designlights.org
 Published lumens on LED products are approximate and may vary slightly.

P.Q.L., Inc. • 2285 WARD AVENUE • SIMI VALLEY, CA 93065 • 800.323.8107 • FAX: 877.619.7053

www.PQLighting.com



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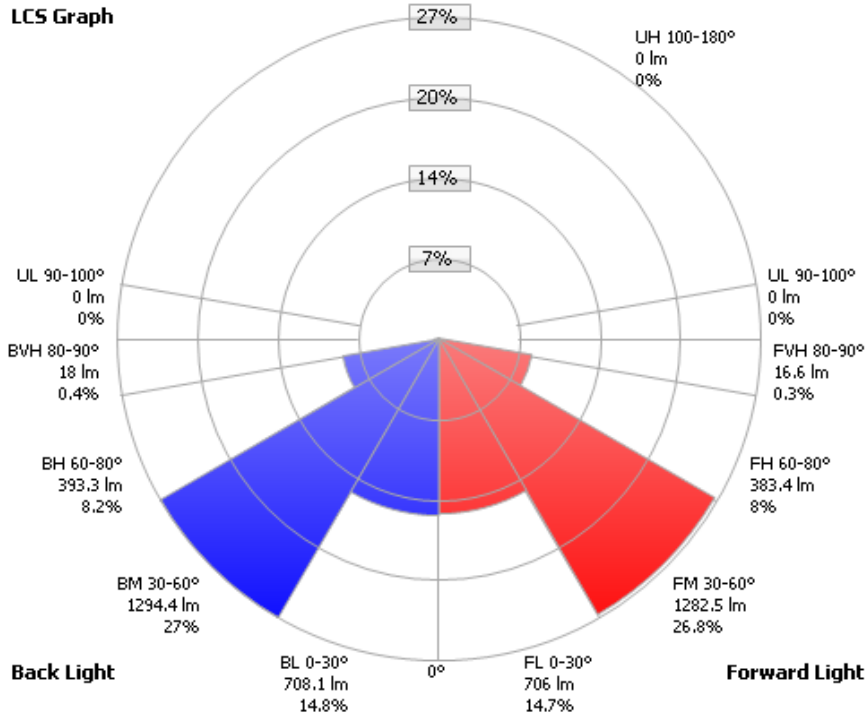
ROADWAY SUMMARY

CUTOFF CLASSIFICATION:	CUTOFF	
DISTRIBUTION:	TYPE II, VERY SHORT	
MAX CD, 90 DEG VERT:	7.3	
MAX CD, 80 TO <90 DEG:	151.1	
	LUMENS	% LAMP
DOWNWARD STREET SIDE:	2,388.4	49.9%
DOWNWARD HOUSE SIDE:	2,413.8	50.4%
DOWNWARD TOTAL:	4,802.2	100.3%
TOTAL LUMENS:	4,802.2	100.3%

LCS TABLE

BUG RATING	B2 - UX - G1	
FORWARD LIGHT	LUMEN	LUMENS %
LOW(0-30):	706.0	14.7%
MEDIUM(30-60):	1,282.5	26.8%
HIGH(60-80):	383.4	8%
VERY HIGH(80-90):	16.6	0.3%
BACK LIGHT		
LOW(0-30):	708.1	14.8%
MEDIUM(30-60):	1,294.4	27%
HIGH(60-80):	393.3	8.2%
VERY HIGH(80-90):	18.0	0.4%
TRAPPED LIGHT:	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	1829	1829	1829	1829	1829	1829	1829	1829	1829	1829	1829	1829	1829	1829	1829	1829	1829	1829	1829	1829	1829	1829	1829
5	1845	1840	1830	1830	1823	1823	1818	1818	1813	1818	1813	1815	1842	1832	1830	1823	1825	1818	1818	1808	1810	1803	1806
10	1820	1820	1806	1808	1796	1801	1789	1796	1789	1798	1793	1801	1815	1803	1808	1793	1801	1786	1793	1779	1784	1769	1779
15	1779	1781	1764	1769	1750	1762	1745	1757	1745	1762	1752	1769	1774	1757	1767	1747	1757	1740	1750	1730	1740	1720	1733
20	1720	1728	1703	1713	1689	1703	1681	1701	1686	1711	1698	1720	1715	1694	1708	1684	1698	1672	1689	1664	1679	1655	1672
25	1650	1659	1628	1642	1611	1628	1601	1630	1611	1645	1625	1655	1640	1616	1635	1603	1623	1594	1613	1584	1603	1574	1596
30	1560	1574	1535	1552	1513	1538	1506	1538	1518	1557	1540	1574	1550	1521	1542	1508	1533	1499	1521	1486	1511	1477	1506
35	1455	1474	1428	1450	1404	1433	1396	1433	1408	1457	1435	1477	1445	1416	1440	1406	1428	1389	1418	1379	1406	1367	1401
40	1340	1362	1309	1333	1282	1311	1272	1316	1289	1340	1318	1367	1326	1296	1323	1287	1309	1267	1299	1255	1289	1245	1282
45	1209	1235	1177	1204	1148	1179	1136	1184	1155	1216	1187	1243	1192	1162	1194	1150	1179	1133	1170	1121	1157	1109	1150
50	1067	1094	1033	1060	1001	1038	989	1043	1009	1077	1048	1109	1050	1016	1050	1004	1038	989	1031	977	1016	965	1009
55	911	943	875	906	843	885	831	889	850	926	892	960	894	848	897	843	887	836	880	824	865	807	855
60	748	782	709	746	677	724	668	729	690	765	731	804	729	682	736	682	729	675	724	665	707	643	694
65	573	609	536	575	504	556	497	560	519	595	558	634	556	507	565	509	560	507	558	497	543	473	524
70	402	439	366	404	339	387	331	395	351	426	387	463	385	336	395	344	397	344	395	336	380	312	358
75	239	273	207	244	188	229	180	236	197	263	229	297	222	183	234	190	239	192	236	185	222	166	205
80	105	132	85	110	71	100	68	105	78	127	100	151	93	68	105	73	110	76	110	71	97	56	83
85	27	39	17	29	10	22	10	24	12	37	22	49	19	10	24	12	27	12	29	10	22	7	17
90	7	5	2	5	2	5	2	5	2	7	2	5	5	2	5	2	5	2	2	2	5	2	



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