



PREMIUM QUALITY LIGHTING

83180

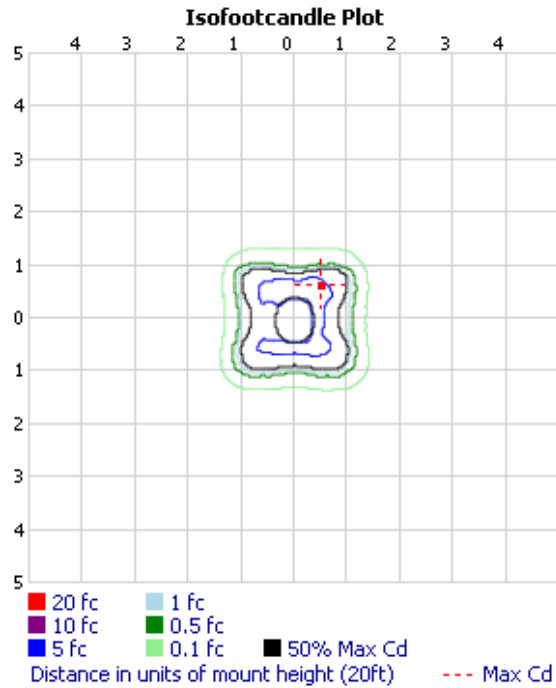
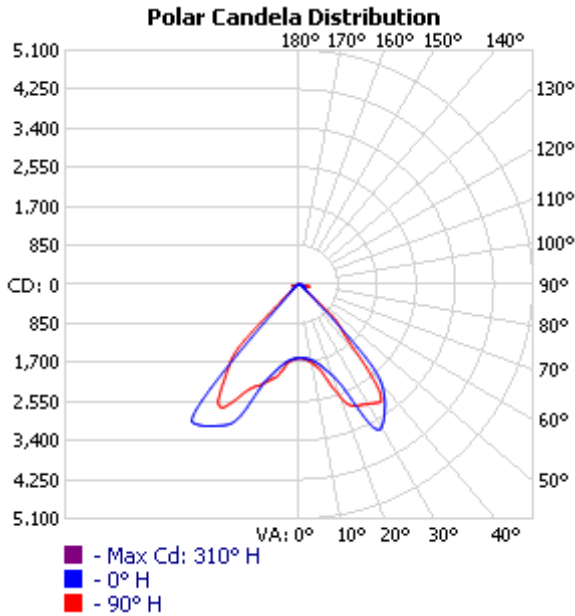
LED 80W LOW BAY
PHOTOMETRIC



• VIEW SELL SHEET

MANUFACTURER: PQL, INC.
 TEST #: S12100017A-01
 TEST LAB: LEADING TESTING LABORATORIES
 ISSUE DATE: 2012-11-01 15:32:53
 CATALOG #: OUTDOOR WALL-MOUNTED AREA LUMINAIRES
 LUMINAIRE: 83180
 LAMP OUTPUT: 1 LAMP, RATED LUMENS/LAMP: 6971.4
 INPUT WATTAGE: 76.3
 LUMINOUS OPENING: POINT

MAX CD: 5,035.7 AT HORIZONTAL: 310°, VERTICAL: 41°
 CUTOFF CLASS: CUTOFF
 ROADWAY CLASS: TYPE VS
 EFFICIENCY: 100%



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	2,062.1	29.6%	29.6%
0-40	4,397.9	63.1%	63.1%
0-60	6,728.5	96.5%	96.5%
60-90	243.3	3.5%	3.5%
0-90	6,971.8	100%	100%

LUMENS PER ZONE

ZONE	LUMENS	% TOTAL
0-10	158.8	2.3%
10-20	568.6	8.2%
20-30	1,334.8	19.1%
30-40	2,335.8	33.5%
40-50	1,897.3	27.2%
50-60	433.3	6.2%
60-70	119.9	1.7%
70-80	73.3	1.1%
80-90	50.1	0.7%



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



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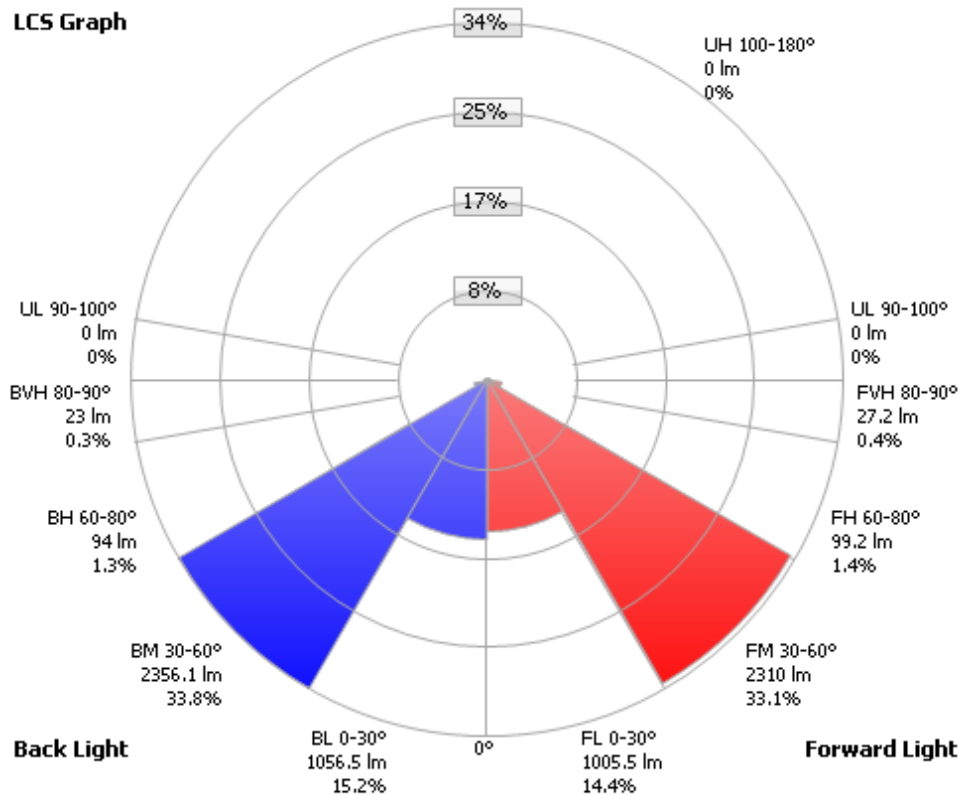
ROADWAY SUMMARY

CUTOFF CLASSIFICATION:	CUTOFF	
DISTRIBUTION:	TYPE VS	
MAX CD, 90 DEG VERT:	1.7	
MAX CD, 80 TO <90 DEG:	233.5	
	LUMENS	% LAMP
DOWNWARD STREET SIDE:	3,441.9	49.4%
DOWNWARD HOUSE SIDE:	3,529.6	50.6%
DOWNWARD TOTAL:	6,971.5	100%
TOTAL LUMENS:	6,971.5	100%

LCS TABLE

BUG RATING	B3 - UX - G1	
FORWARD LIGHT	LUMENS	LUMENS %
LOW(0-30):	1,005.5	14.4%
MEDIUM(30-60):	2,310.0	3.1%
HIGH(60-80):	99.2	1.4%
VERY HIGH(80-90):	27.2	0.4%
BACK LIGHT		
LOW(0-30):	1,056.5	15.2%
MEDIUM(30-60):	2,356.1	33.8%
HIGH(60-80):	94.0	1.3%
VERY HIGH(80-90):	23.0	0.3%
TRAPPED LIGHT:	0	0%

LCS Graph



Scale = Max LCS %

Trapped Light: 0lm, 0%



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CANDELA TABLE - TYPE C

	0	20	40	60	80	90	110	130	150	170	180	200	220	240	260	280	300	320	340	360
0	1601	1600	1600	1602	1602	1600	1600	1601	1602	1603	1600	1600	1601	1602	1602	1600	1600	1602	1601	1600
5	1612	1612	1612	1616	1617	1620	1623	1629	1632	1635	1635	1633	1632	1630	1629	1626	1626	1627	1628	1628
10	1676	1674	1673	1684	1693	1707	1718	1735	1745	1754	1753	1746	1739	1729	1724	1720	1722	1724	1730	1730
15	1824	1823	1820	1834	1846	1867	1890	1937	1979	2010	2000	1958	1938	1928	1924	1916	1922	1928	1939	1939
20	2102	2099	2090	2099	2112	2225	2355	2466	2540	2589	2568	2502	2455	2342	2252	2239	2260	2281	2313	2295
25	2868	2838	2654	2554	2677	2856	2933	2930	2911	2913	2922	2983	3068	3035	2959	3001	3197	3239	3263	3245
30	3591	3670	3836	3987	3700	3389	3186	3057	3011	3000	3025	3135	3345	3758	4301	4063	3699	3573	3550	3626
35	3260	3362	3746	4537	4933	4122	3382	3193	3135	3117	3166	3304	3719	4564	4870	4612	4059	3781	3742	3885
40	2783	2909	3475	4274	4780	4818	3749	2774	2216	1996	2193	2905	4244	4799	4923	4863	4338	3572	3302	3786
45	755	946	2284	3532	4118	4313	2926	1513	1280	1211	1279	1650	2931	4407	4733	3572	1164	531	484	663
50	226	245	474	1133	2930	2450	1820	767	285	255	340	849	1778	2611	2392	722	308	222	207	233
55	164	170	207	315	755	1154	569	234	182	174	180	241	533	983	487	279	203	180	166	181
60	123	130	164	204	275	288	207	145	122	118	122	150	202	263	260	200	137	110	105	111
65	96	102	108	131	153	155	131	110	111	104	105	104	121	127	120	110	101	103	93	100
70	80	81	109	77	84	78	77	90	78	79	76	93	74	75	68	76	74	72	72	71
75	71	64	59	60	54	54	60	64	76	87	75	69	59	53	50	50	52	60	65	57
80	58	56	40	37	48	91	162	205	234	213	203	197	209	173	99	47	38	41	42	41
85	49	34	57	77	65	52	34	24	34	30	30	19	14	22	23	35	34	37	28	35
90	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



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

www.PQLighting.com