



PREMIUM QUALITY LIGHTING

# 83164

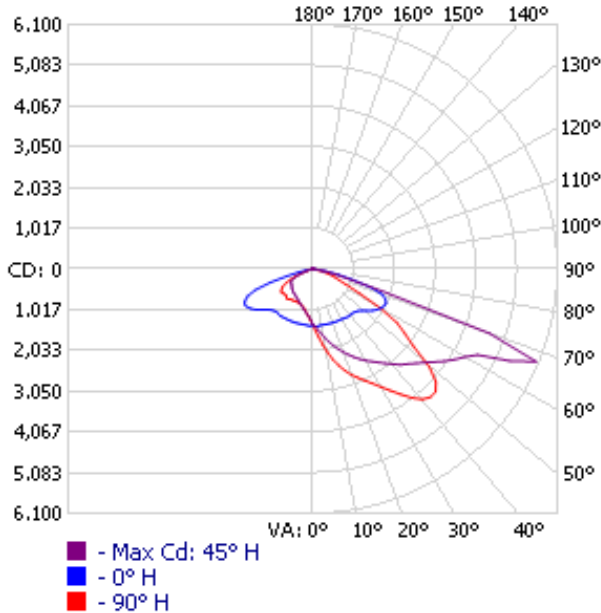
LED SHOE BOX FIXTURE  
PHOTOMETRIC



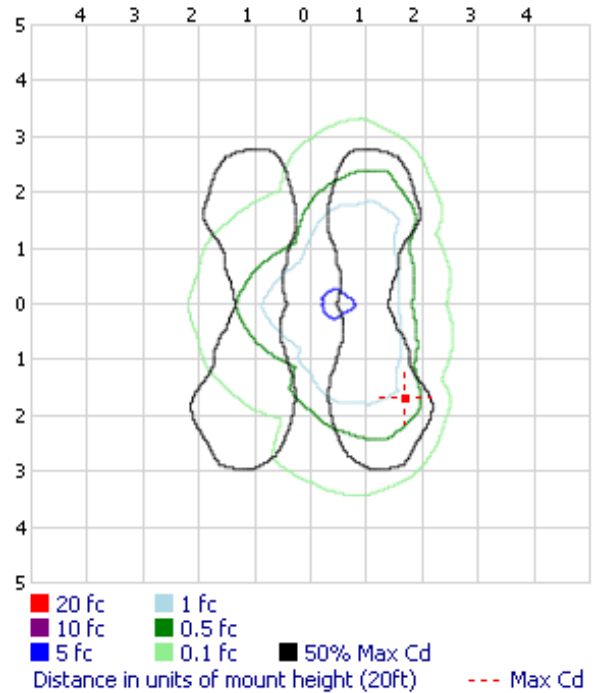
• VIEW SELL SHEET

MANUFACTURER: PQL, INC.  
 TEST #: 1  
 LUMINAIRE: 83164  
 LAMP OUTPUT: 1 LAMP, RATED LUMENS/LAMP: 8673.3  
 LUMINOUS OPENING: POINT  
 MAX CD: 6,028.5 AT HORIZONTAL: 45°, VERTICAL: 67.5°  
 CUTOFF CLASS: CUTOFF  
 ROADWAY CLASS: SHORT, TYPE IV  
 EFFICIENCY: 101.4%

**Polar Candela Distribution**



**Isofootcandle Plot**



**ZONAL LUMEN SUMMARY**

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	1,366.9	15.8%	15.5%
0-40	2,558.1	29.5%	29.1%
0-60	6,169.0	71.1%	70.1%
60-90	2,567.1	29.6%	29.2%
70-100	711.8	8.2%	8.1%
90-120	33.9	0.4%	0.4%
0-90	8,736.1	100.7%	99.3%
90-180	62.4	0.7%	0.7%
0-180	8,798.5	101.4%	100%

**LUMENS PER ZONE**

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	136.7	1.6%	90-100	15.2	0.2%
10-20	441.5	5.0%	100-110	10.5	0.1%
20-30	788.7	9.0%	110-120	8.3	0.1%
30-40	1,191.2	13.5%	120-130	7.3	0.1%
40-50	1,658.2	18.8%	130-140	6.9	0.1%
50-60	1,952.7	22.2%	140-150	6.2	0.1%
60-70	1,870.5	21.3%	150-160	4.5	0.1%
70-80	641.2	7.3%	160-170	2.7	0%
80-90	55.4	0.6%	170-180	0.9	0%



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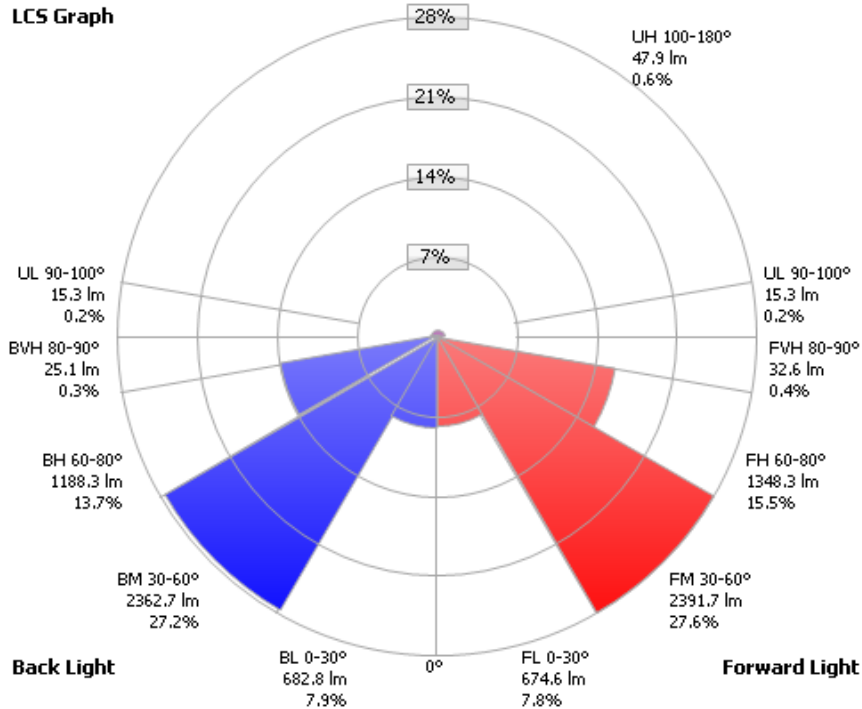
### ROADWAY SUMMARY

CUTOFF CLASSIFICATION:		CUTOFF
DISTRIBUTION:		TYPE IV, SHORT
MAX CD, 90 DEG VERT:		34.1
MAX CD, 80 TO <90 DEG:		519.0
	<b>LUMENS</b>	<b>% LAMP</b>
DOWNWARD STREET SIDE:	4,447.2	51.3%
DOWNWARD HOUSE SIDE:	4,258.9	49.1%
DOWNWARD TOTAL:	8,706.0	100.4%
UPWARD STREET SIDE:	31.7	0.4%
UPWARD HOUSE SIDE:	31.5	0.4%
UPWARD TOTAL:	63.2	0.7%
<b>TOTAL LUMENS:</b>	<b>8,769.3</b>	<b>101.1%</b>

### LCS TABLE

<b>BUG RATING</b>	<b>B3 - U2 - G3</b>	
<b>FORWARD LIGHT</b>	LUMEN	LUMENS %
LOW(0-30):	674.6	7.8%
MEDIUM(30-60):	2,391.7	27.6%
HIGH(60-80):	1,348.3	15.5%
VERY HIGH(80-90):	32.6	0.4%
<b>BACK LIGHT</b>		
LOW(0-30):	682.8	7.9%
MEDIUM(30-60):	2,362.7	27.2%
HIGH(60-80):	1,188.3	13.7%
VERY HIGH(80-90):	25.1	0.3%
<b>UPLIGHT</b>		
LOW(90-100):	15.3	0.2%
HIGH(100-180):	47.9	0.6%
<b>TRAPPED LIGHT:</b>	0	0%

LCS Graph



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	1392	1392	1392	1392	1392	1392	1392	1392	1392	1392	1392	1392	1392	1392	1392	1392	1392	1392	1392	1392	1392	1392	1392
5	1428	1455	1525	1530	1640	1591	1711	1611	1684	1579	1584	1501	1411	1316	1274	1192	1206	1150	1194	1157	1216	1211	1304
10	1413	1499	1657	1742	1947	1957	2115	1993	2013	1818	1733	1557	1404	1265	1172	1075	1072	1023	1060	1031	1079	1087	1196
15	1418	1569	1818	1976	2237	2322	2488	2371	2312	2066	1903	1633	1406	1211	1084	984	972	948	972	950	977	992	1101
20	1428	1657	1998	2203	2481	2627	2807	2690	2568	2291	2081	1728	1408	1148	1004	914	911	904	928	909	919	921	1011
25	1435	1762	2183	2420	2695	2856	3070	2931	2783	2510	2266	1840	1406	1072	921	858	867	877	909	887	877	865	926
30	1443	1876	2371	2634	2900	3082	3397	3185	3004	2717	2454	1949	1408	992	855	814	833	863	916	882	846	819	860
35	1467	2018	2566	2841	3163	3424	3818	3541	3297	2936	2654	2091	1423	911	802	777	814	865	928	880	826	785	809
40	1477	2203	2824	3095	3502	3865	4242	3984	3653	3214	2917	2281	1401	831	765	755	799	858	980	872	814	760	763
45	1506	2412	3121	3350	3921	4245	4330	4286	4074	3499	3195	2517	1447	755	714	719	785	828	941	843	797	731	714
50	1613	2788	3497	3626	4208	4230	3787	4128	4228	3838	3511	2900	1579	687	646	685	753	821	948	838	772	702	663
55	1803	3229	3828	4006	4194	3448	2797	3170	4018	4138	3816	3355	1759	619	595	648	741	814	965	831	760	665	616
60	1954	3521	4060	4381	3928	2700	1925	2488	3229	4396	4198	3650	1888	560	539	629	726	738	863	751	733	641	560
65	2013	3509	4993	5422	2522	1460	911	1267	1606	5670	5329	3548	1869	514	504	500	573	490	624	500	578	514	526
70	1835	3177	5066	4698	846	790	575	712	687	2381	5127	3302	1525	387	346	280	327	246	312	249	327	290	366
75	1028	1728	1394	860	341	422	285	392	300	641	948	1499	673	141	146	117	161	97	124	102	154	124	158
80	383	519	200	314	117	163	102	141	105	222	178	363	163	44	58	41	56	32	51	32	58	44	58
85	39	93	56	73	34	51	27	46	34	63	56	85	29	17	19	12	15	7	10	7	15	12	19
90	19	34	27	32	19	19	12	19	17	29	27	32	19	15	15	10	10	7	7	5	10	10	12
95	17	22	19	22	12	15	10	15	10	19	17	22	17	12	15	12	10	7	7	5	10	10	12
100	12	15	12	17	7	12	5	10	7	15	10	15	12	12	15	12	12	7	10	7	12	10	12
105	10	12	10	10	7	10	5	10	5	10	7	12	12	10	12	12	12	7	10	10	12	12	12
110	10	12	7	7	5	7	5	5	5	7	5	10	10	12	12	10	12	10	12	12	12	12	12
115	10	10	7	5	2	5	2	5	2	5	5	7	12	12	12	12	12	10	12	12	15	12	12
120	10	10	7	5	2	5	2	2	2	2	5	5	12	12	12	12	12	12	12	12	12	12	10
125	10	10	5	5	2	2	2	2	2	2	5	5	12	10	15	12	12	10	12	12	15	12	10
130	12	7	5	5	2	2	0	2	2	5	2	5	12	12	17	15	15	12	12	12	15	12	10
135	12	10	5	5	2	5	2	2	2	5	5	5	10	15	17	17	15	12	12	12	12	12	12
140	12	7	5	5	2	5	2	2	2	5	5	5	12	12	19	19	17	15	15	15	12	15	15
145	10	10	5	5	5	5	2	5	5	2	5	7	12	15	19	17	19	17	15	12	15	15	15
150	10	10	5	5	5	5	2	2	5	2	5	5	12	12	17	17	17	15	15	12	12	12	12
155	10	10	7	5	5	7	5	5	2	2	5	7	12	12	15	17	17	15	15	12	12	10	12
160	10	7	7	7	7	5	5	5	5	5	7	5	10	12	15	15	15	15	15	12	12	10	12
165	12	10	7	7	7	7	7	7	5	7	5	5	12	10	12	12	15	12	15	12	12	10	10
170	12	10	10	10	7	7	7	7	7	5	7	7	10	10	10	12	12	12	15	12	10	10	10
175	10	10	10	10	10	10	10	10	10	7	7	7	10	10	10	10	12	12	12	10	10	7	
180	12	7	10	10	10	12	12	10	10	7	7	7	10	12	10	10	10	10	10	10	7	7	



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