



PREMIUM QUALITY LIGHTING

83154

LED 40W MEDIUM CUT-OFF WALL PACK

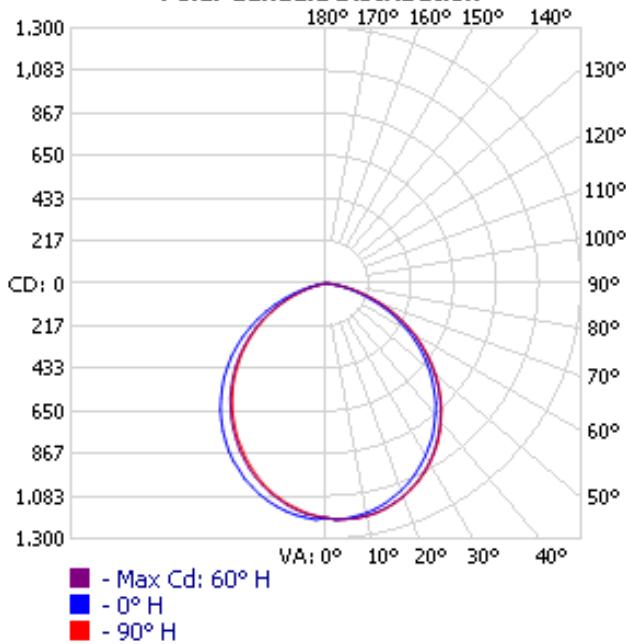
PHOTOMETRIC



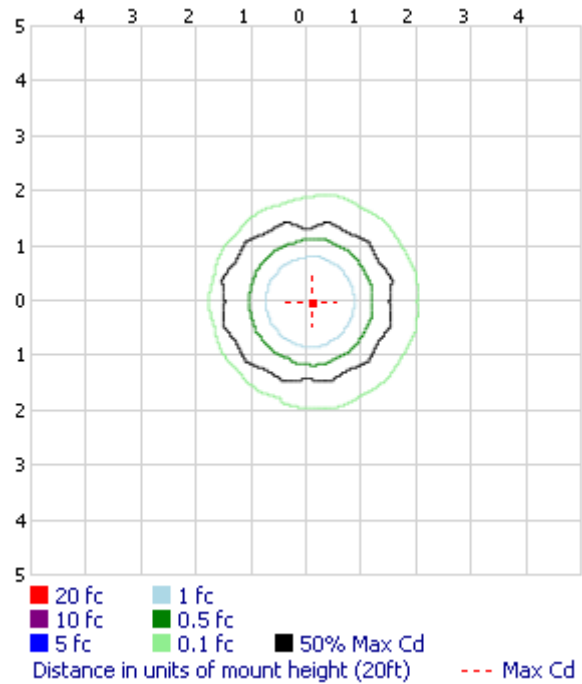
• VIEW SELL SHEET

MANUFACTURER: PQL, INC.
 TEST #: 1
 LUMINAIRE: 83154
 LAMP OUTPUT: 1 LAMP, RATED LUMENS/LAMP: 3077.5
 LUMINOUS OPENING: POINT
 MAX CD: 1,206.2 AT HORIZONTAL: 60°, VERTICAL: 7.5°
 CUTOFF CLASS: CUTOFF
 ROADWAY CLASS: VERY SHORT, TYPE II
 EFFICIENCY: 100.1%

Polar Candela Distribution



Isofootcandle Plot



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	917.6	29.8%	29.8%
0-40	1,490.7	48.4%	48.4%
0-60	2,567.0	83.4%	83.3%
60-90	513.3	16.7%	16.7%
0-90	3,080.3	100.1%	100%

LUMENS PER ZONE

ZONE	LUMENS	% TOTAL
0-10	112.8	3.7%
10-20	321.8	10.4%
20-30	483.0	15.7%
30-40	573.0	18.6%
40-50	578.7	18.8%
50-60	497.6	16.2%
60-70	340.7	11.1%
70-80	149.8	4.9%
80-90	22.8	0.7%



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ROADWAY SUMMARY

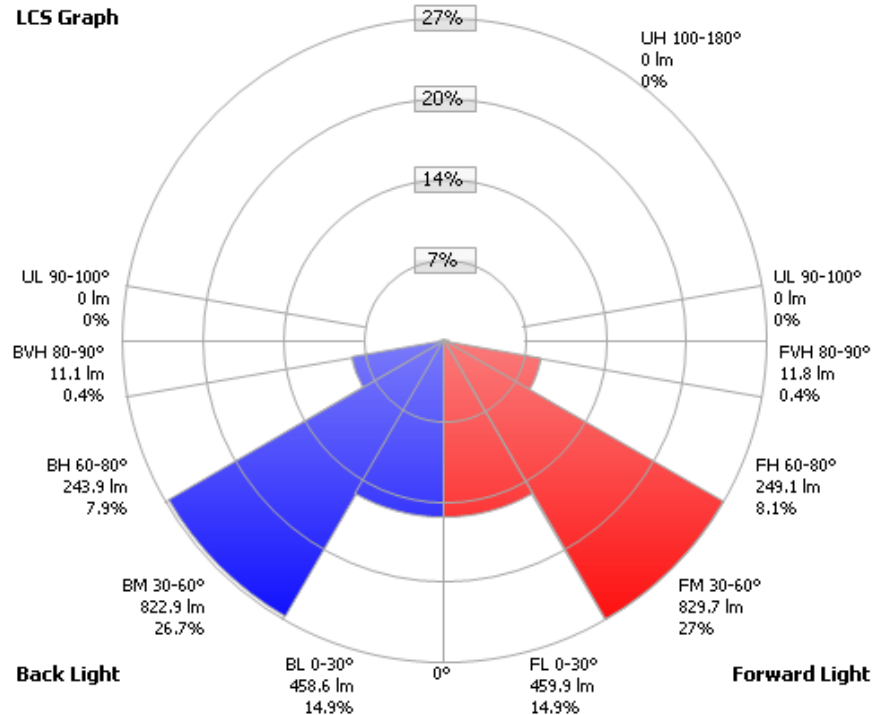
CUTOFF CLASSIFICATION:	CUTOFF
DISTRIBUTION:	TYPE II, VERY SHORT
MAX CD, 90 DEG VERT:	4.9
MAX CD, 80 TO <90 DEG:	119.4
	LUMENS % LAMP
DOWNWARD STREET SIDE:	1,550.5 50.4%
DOWNWARD HOUSE SIDE:	1,536.5 49.9%
<u>DOWNWARD TOTAL:</u>	<u>3,087.0 100.3%</u>
	TOTAL LUMENS: 3,087.0

100.3%

LCS TABLE

BUG RATING	B1 - UX - G1	
FORWARD LIGHT	LUMEN	LUMENS %
LOW(0-30):	459.9	14.9%
MEDIUM(30-60):	829.7	27%
HIGH(60-80):	249.1	8.1%
VERY HIGH(80-90):	11.8	0.4%
BACK LIGHT		
LOW(0-30):	458.6	14.9%
MEDIUM(30-60):	822.9	26.7%
HIGH(60-80):	243.9	7.9%
VERY HIGH(80-90):	11.1	0.4%
TRAPPED LIGHT:	0	0%

LCS Graph



Scale = Max LCS %

☉ Trapped Light: 0lm, 0%



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

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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	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194
5	1201	1204	1204	1204	1204	1204	1204	1201	1201	1199	1199	1194	1196	1184	1182	1172	1177	1165	1172	1162	1172	1165	1177
10	1187	1194	1194	1201	1201	1204	1201	1204	1199	1196	1187	1187	1177	1157	1157	1138	1145	1128	1138	1126	1140	1136	1150
15	1160	1172	1172	1184	1184	1189	1184	1189	1179	1179	1167	1167	1145	1121	1121	1097	1104	1079	1094	1079	1097	1092	1114
20	1121	1140	1138	1157	1153	1167	1155	1162	1148	1155	1133	1136	1101	1075	1075	1043	1050	1023	1038	1021	1045	1038	1065
25	1072	1099	1094	1116	1109	1126	1114	1123	1106	1114	1089	1092	1048	1016	1019	982	987	960	975	955	984	975	1009
30	1014	1045	1036	1062	1053	1075	1058	1075	1050	1060	1033	1038	989	948	950	911	916	885	904	882	914	909	943
35	948	980	967	999	984	1009	992	1011	984	997	967	972	916	875	877	833	841	807	826	809	836	831	870
40	867	906	894	926	906	936	911	936	909	924	889	899	838	792	792	746	760	721	743	726	753	746	787
45	782	824	804	843	821	853	826	853	821	841	802	819	748	699	709	655	670	629	655	634	665	655	699
50	690	733	712	751	726	763	733	763	726	751	712	731	653	604	614	560	578	536	563	539	570	563	607
55	590	636	612	651	624	663	631	663	624	651	609	634	553	500	514	461	478	436	465	434	473	461	507
60	485	531	504	546	519	556	524	558	517	546	504	529	446	395	409	358	378	336	366	334	373	358	404
65	373	419	392	434	402	443	412	446	404	434	392	419	336	283	302	251	273	231	263	229	268	251	295
70	261	307	278	322	290	331	297	334	292	324	280	309	227	178	197	151	175	136	166	134	171	151	192
75	156	197	168	210	178	219	185	222	183	212	173	197	127	85	102	68	88	56	80	58	85	66	100
80	68	102	78	110	85	119	90	119	88	115	80	102	49	24	34	15	24	10	22	10	24	12	32
85	17	32	17	39	22	44	27	44	24	39	19	34	5	0	0	0	0	0	0	0	0	0	
90	0	2	0	2	0	5	0	5	2	5	0	2	0	0	0	0	0	0	0	0	0	0	



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