

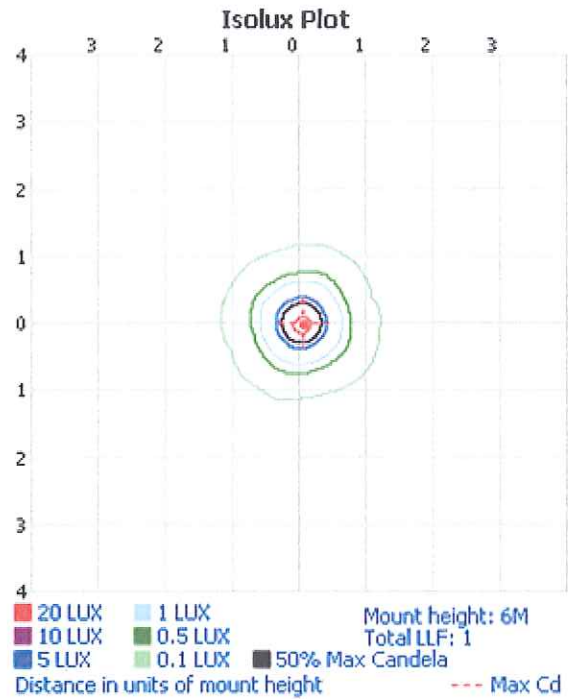
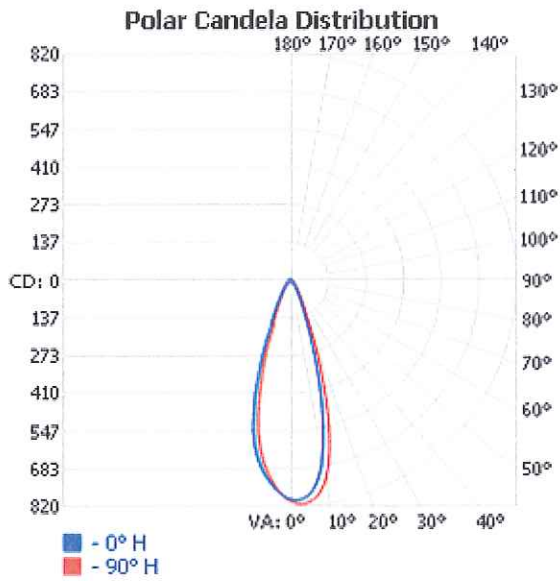
52006

LAMP - OUTDOOR PHOTOMETRIC REPORT

MANUFACTURER: VERBATIM
 LUMINAIRE: LAMP
 LAMP: PAR16 XPE 8W
 LAMP OUTPUT: 1 LAMP(S), RATED LUMENS/LAMP: 313.9
 INPUT WATTAGE: 8
 LUMINOUS OPENING: RECTANGLE (L: 0.52M, W: 0.52M)

No
 Photo
 Available

MAX CD: 812.1 AT HORIZONTAL: 90°, VERTICAL: 3.5°
 CUTOFF CLASS: CUTOFF
 ROADWAY CLASS: VERY SHORT, TYPE I
 EFFICIENCY: 100%
 SEE REPORT NOTES **



ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp
0-30	254.7	81.1%
0-40	282.7	90.1%
0-60	306.0	97.5%
60-90	7.9	2.5%
DLOR 0-90	313.9	100%

LUMENS PER ZONE

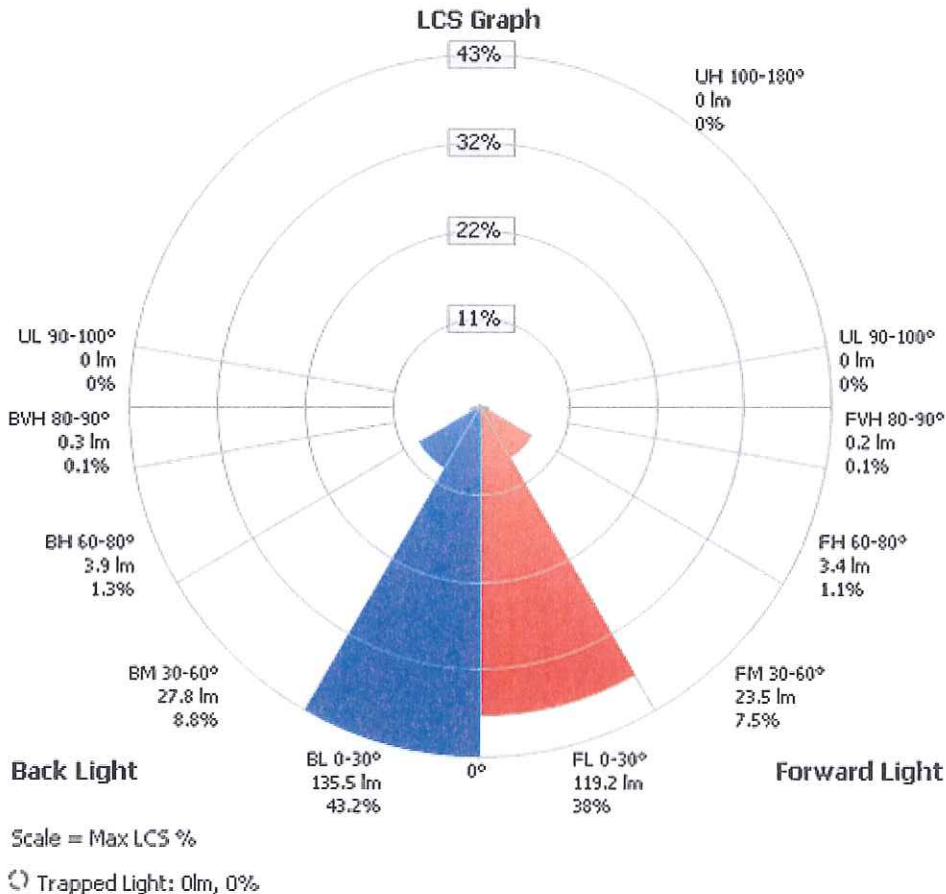
Zone	Lumens	% Total
0-10	69.8	22.3%
10-20	124.8	39.8%
20-30	60.0	19.1%
30-40	28.0	8.9%
40-50	15.2	4.8%
50-60	8.1	2.6%
60-70	4.6	1.5%
70-80	2.7	0.8%
80-90	0.6	0.2%

ROADWAY SUMMARY

Cutoff Classification:	CUTOFF	
Distribution:	TYPE I, VERY SHORT	
Max Cd, 90 Deg Vert:	0.5	
Max Cd, 80 to <90 Deg:	3.9	
	Lumens	% Lamp
Downward Street Side:	146.4	46.6%
Downward House Side:	167.5	53.4%
Downward Total:	313.9	100%
Total Lumens:	313.9	100%

LCS TABLE

BUG Rating	B1 - Ux - G0	
Forward Light	Lumens	Lumens %
Low(0-30):	119.2	38%
Medium(30-60):	23.5	7.5%
High(60-80):	3.4	1.1%
Very High(80-90):	0.2	0.1%
Back Light		
Low(0-30):	135.5	43.2%
Medium(30-60):	27.8	8.8%
High(60-80):	3.9	1.3%
Very High(80-90):	0.3	0.1%
Trapped Light:	0	0%



CANDELA TABLE - TYPE C

	0	30	60	90	120	150	180	210	240	270	300	330	360
0	793	793	794	799	794	794	793	793	794	799	794	794	793
5	780	798	799	806	793	764	746	723	725	735	738	765	780
10	656	690	695	733	728	691	666	626	627	624	602	643	656
15	416	442	460	531	552	535	522	466	468	433	388	412	416
20	203	166	232	284	310	317	312	265	261	202	193	177	203
25	102	108	118	136	149	160	151	129	131	112	99	105	102
30	58	61	69	74	79	90	80	71	75	65	57	62	58
35	36	38	44	45	47	57	48	43	48	41	35	41	36
40	24	26	31	29	29	38	31	28	33	27	24	28	24
45	16	16	22	20	21	26	20	19	22	19	16	19	16
50	11	11	15	14	13	16	14	13	14	13	11	11	11
55	7	8	9	10	9	10	9	9	9	9	8	8	7
60	5	6	6	7	6	7	6	6	6	7	6	6	5
65	4	4	6	5	5	5	4	5	5	5	5	4	4
70	2	3	4	4	4	3	3	4	5	4	3	3	2
75	2	2	3	3	3	2	2	3	3	3	3	2	2
80	1	1	2	2	2	1	1	1	2	2	1	1	1
85	0	0	0	1	1	0	0	0	1	1	0	0	0
90	0	0	0	0	0	0	0	0	0	0	0	0	0

**File does not include sufficient vertical data to properly calculate BUG and LCS uplight.
 **File does not include upper hemisphere data(90-180) and has Cd > 0 at 90° vertical.

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 Reported data calculated from manufacturer's data file, based on IESNA recommended methods.
 Report generated on 6/20/2011, using the 'Outdoor' template.

