



OUTDOOR PHOTOMETRIC REPORT

CATALOG: Alcon Lighting Beam 44 Recessed Wall Wash 14102-4-RWW LED Architectural Linear Fixture

MANUFACTURER: ALCON LIGHTING

TEST LAB: LIGHT LAB INTERNATIONAL

CATALOG: Beam 44 Recessed Wall Wash 14102-4-RWW LED Architectural Linear Fixture

DESCRIPTION: FLEX RAB LEDS 4'RECESSED LUMINAIRE SNAP-IN WHITE FROSTED ACRYLIC LENS
OPTOTRONIC #OT50W/PRG1400C/UNV/DIM/L @1250MA WATTS=51.0

LAMP CAT #: LG K23K32

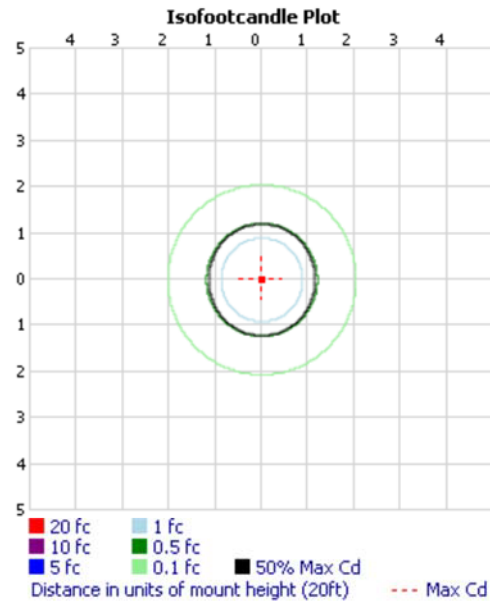
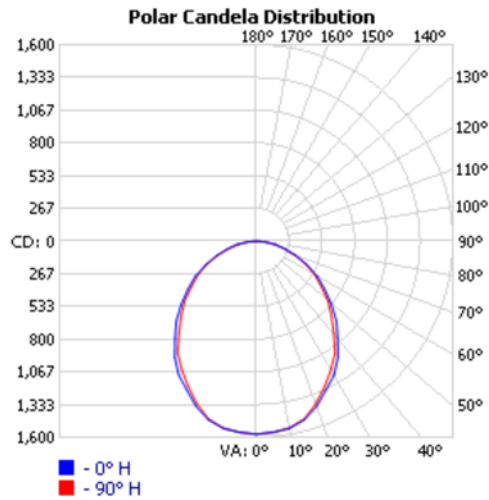
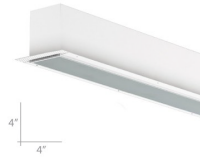
LAMP OUTPUT: TOTAL LUMINAIRE LUMENS: 3952.5, **ABSOLUTE PHOTOMETRY ***

INPUT WATTAGE: 51

LUMINOUS OPENING: RECTANGLE (L: 48", W: 3.76")

MAX CD: 1,574.0 AT HORIZONTAL: 0°, VERTICAL: 0°

ROADWAY CLASS: TYPE VS



*TEST BASED ON ABSOLUTE PHOTOMETRY WHERE LAMP LUMENS=LUMENS TOTAL.

*CUTOFF CLASSIFICATION AND EFFICIENCY CANNOT BE PROPERLY CALCULATED FOR ABSOLUTE PHOTOMETRY.

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 CATALOG: 44PSF48LR48W4800LDMV35KWH

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LUMINAIRE
0-30	1,181.1	29.9%
0-40	1,886.5	47.7%
0-60	3,170.5	80.2%
60-90	782.0	19.8%
70-100	337.3	8.5%
90-120	0	0%
0-90	3,952.5	100%
90-180	0	0%
0-180	3,952.5	100%

LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	148.7	3.8%	90-100	0	0%
10-20	421.6	10.7%	100-110	0	0%
20-30	610.8	15.5%	110-120	0	0%
30-40	705.4	17.8%	120-130	0	0%
40-50	690.4	17.5%	130-140	0	0%
50-60	593.6	15.0%	140-150	0	0%
60-70	444.6	11.2%	150-160	0	0%
70-80	256.8	6.5%	160-170	0	0%
80-90	80.5	2.0%	170-180	0	0%

ROADWAY SUMMARY

DISTRIBUTION:	TYPE VS	
MAX CD, 90 DEG VERT:	0	
MAX CD, 80 TO <90 DEG:	156.0	
	LUMENS	% LAMP
DOWNWARD STREET SIDE:	1,977.2	50%
DOWNWARD HOUSE SIDE:	1,977.2	50%
DOWNWARD TOTAL:	3,954.5	100.1%
UPWARD STREET SIDE:	0	0%
UPWARD HOUSE SIDE:	0	0%
UPWARD TOTAL:	0	0%
TOTAL LUMENS:	3,954.5	100.1%

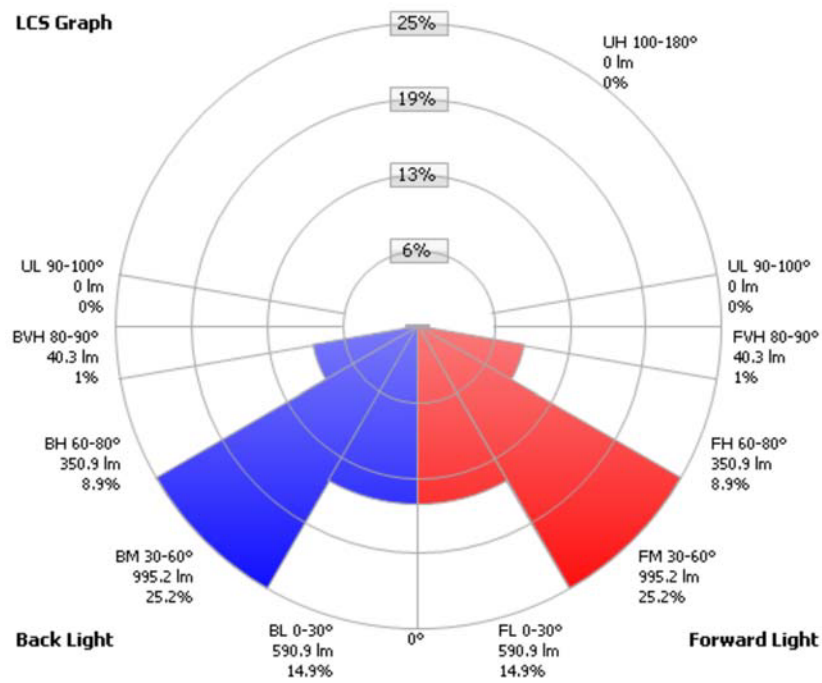
LCS TABLE

BUG RATING	B2 - U0 - G1	
FORWARD LIGHT	LUMENS	LUMENS %
LOW(0-30):	590.9	14.9%
MEDIUM(30-60):	995.2	25.2%
HIGH(60-80):	350.9	8.9%
VERY HIGH(80-90):	40.3	1%
BACK LIGHT		
LOW(0-30):	590.9	14.9%
MEDIUM(30-60):	995.2	25.2%
HIGH(60-80):	350.9	8.9%
VERY HIGH(80-90):	40.3	1%
UPLIGHT		
LOW(90-100):	0	0%
HIGH(100-180):	0	0%
TRAPPED LIGHT:	0	0%

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LCS Graph



Back Light

Forward Light

Scale = Max LCS %

☞ Trapped Light: 0lm, 0%

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CANDELA TABLE - TYPE C					
	0	22.5	45	67.5	90
0	1574	1574	1574	1574	1574
5	1564	1564	1564	1564	1564
10	1550	1550	1550	1547	1547
15	1508	1505	1501	1501	1501
20	1435	1435	1425	1415	1411
25	1339	1331	1324	1310	1310
30	1262	1251	1234	1220	1213
35	1157	1154	1133	1119	1116
40	1029	1025	1005	991	980
45	922	914	897	883	865
50	796	796	779	768	761
55	678	667	653	650	643
60	573	567	564	553	549
65	455	455	448	441	441
70	344	344	341	341	334
75	240	240	240	236	236
80	156	156	156	156	156
85	70	70	70	70	70
90	0	0	0	0	0