

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P701550

Luminaire Tested: **RX-WO-44LB2750-UNV-14_4000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701550
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-1)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 8/21/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-44LB2750-UNV-14_4000K
Description: 1X4 4400 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 4000K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

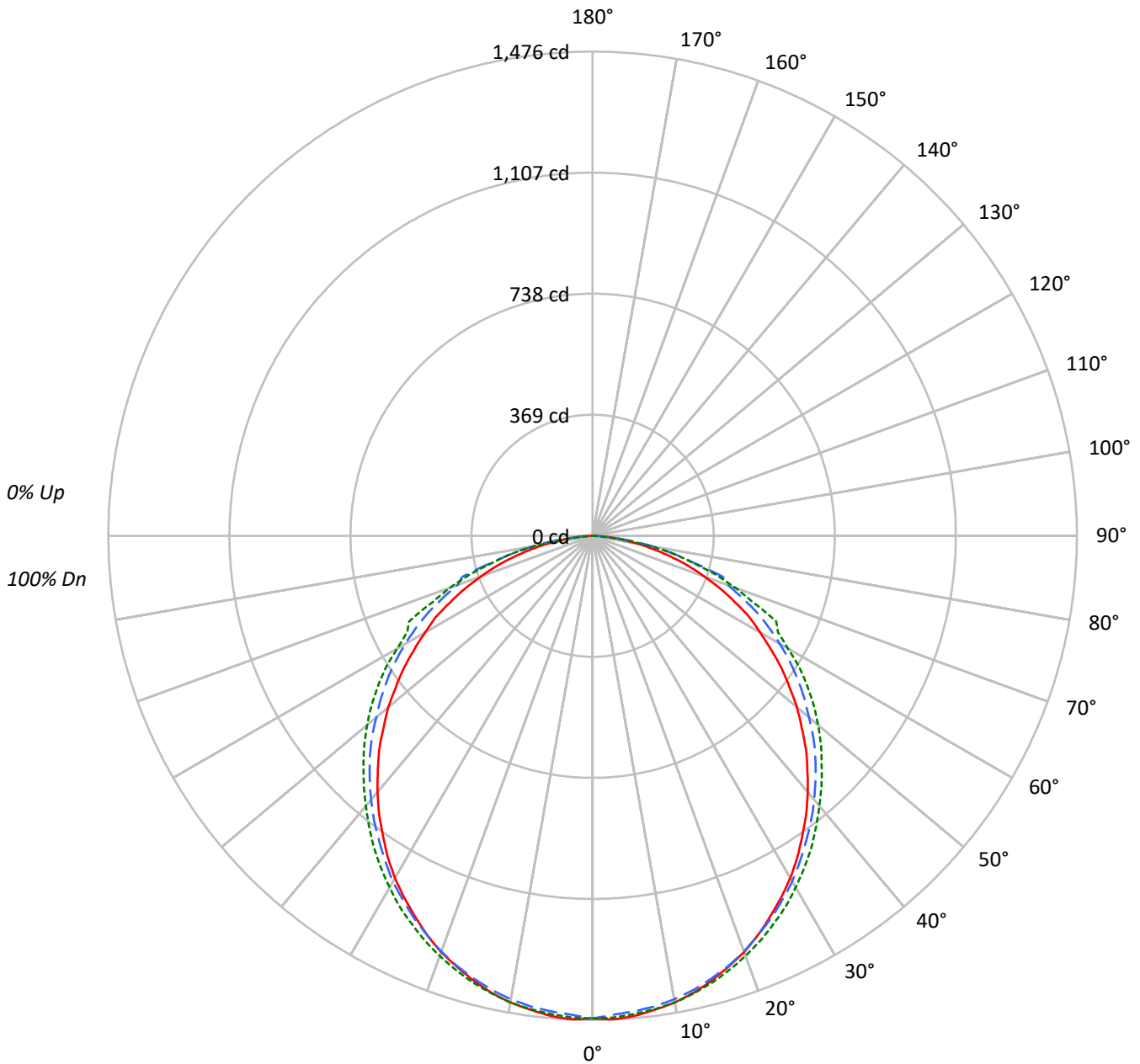
Lumens per Lamp: N/A
Luminaire Lumens: 4184.0 lumens
Efficiency: N/A
Efficacy: 116.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 36
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

TEST NUMBER: P701550

CATALOG NUMBER: RX-WO-44LB2750-UNV-14_4000K

Luminous Intensity Polar Plot





TEST NUMBER: P701550

CATALOG NUMBER: RX-WO-44LB2750-UNV-14_4000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	109	104	99	96	106	102	98	94	97	94	91	93	91	88	90	88	86	83																			
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69																			
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58																			
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49																			
5	75	62	53	47	73	61	53	46	59	52	46	57	50	45	55	49	45	43																			
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37																			
7	65	51	42	36	63	50	42	36	48	41	35	47	40	35	46	40	35	33																			
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29																			
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26																			
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4154	4154	4154
5°	4164	4123	4146
10°	4141	4112	4141
15°	4102	4084	4120
20°	4056	4050	4094
25°	3989	4008	4065
30°	3927	3967	4034
35°	3840	3911	4003
40°	3758	3872	3963
45°	3670	3834	3941
50°	3569	3776	3939
55°	3454	3757	3929
60°	3325	3719	3881
65°	3194	3687	4126
70°	2981	3607	3811
75°	2686	3492	3424
80°	2269	3002	2835
85°	1661	1464	531



TEST NUMBER: P701550

CATALOG NUMBER: RX-WO-44LB2750-UNV-14_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.0	3.3
10°-20°	396.1	9.5
20°-30°	595.4	14.2
30°-40°	712.2	17.0
40°-50°	738.4	17.6
50°-60°	677.2	16.2
60°-70°	538.7	12.9
70°-80°	320.1	7.6
80°-90°	67.1	1.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1130.4	27.0
0°-40°	1842.6	44.0
0°-60°	3258.2	77.9
0°-90°	4184.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4184.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1472	1472	1472	1472	1472	
5°	1470	1465	1455	1465	1463	139
15°	1404	1402	1398	1410	1410	396
25°	1281	1283	1287	1305	1305	590
35°	1114	1121	1135	1158	1162	698
45°	919	934	960	981	987	708
55°	702	726	764	794	798	627
65°	478	507	552	575	618	473
75°	246	281	320	318	314	262
85°	51	64	45	25	16	63
90°	0	0	0	0	0	



TEST NUMBER: P701550

CATALOG NUMBER: RX-WO-44LB2750-UNV-14_4000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1471.5	1471.5	1471.5	1471.5	1471.5
2.5°	1475.6	1471.5	1461.3	1471.5	1469.5
5°	1469.5	1465.4	1455.1	1465.4	1463.3
7.5°	1457.2	1455.1	1446.9	1457.2	1455.1
10°	1444.8	1440.7	1434.6	1444.8	1444.8
12.5°	1426.4	1422.3	1418.2	1430.5	1428.4
15°	1403.8	1401.7	1397.6	1410.0	1410.0
17.5°	1377.1	1377.1	1375.1	1387.4	1387.4
20°	1350.4	1348.4	1348.4	1362.8	1362.8
22.5°	1317.6	1317.6	1317.6	1336.1	1336.1
25°	1280.7	1282.7	1286.8	1305.3	1305.3
27.5°	1243.7	1247.8	1251.9	1270.4	1274.5
30°	1204.7	1206.8	1217.0	1235.5	1237.6
32.5°	1161.6	1165.7	1176.0	1196.5	1200.6
35°	1114.4	1120.6	1134.9	1157.5	1161.6
37.5°	1069.3	1077.5	1093.9	1116.5	1118.5
40°	1020.0	1030.3	1050.8	1071.3	1075.4
42.5°	968.7	981.0	1005.6	1028.2	1032.3
45°	919.4	933.8	960.5	981.0	987.2
47.5°	864.0	880.5	913.3	937.9	944.1
50°	812.7	829.1	859.9	890.7	896.9
52.5°	755.3	777.8	812.7	843.5	849.7
55°	701.9	726.5	763.5	794.3	798.4
57.5°	644.4	671.1	712.2	740.9	747.1
60°	589.0	617.8	658.8	685.5	687.5
62.5°	539.8	564.4	605.4	630.1	636.2
65°	478.2	506.9	552.1	574.7	617.8
67.5°	420.7	449.5	492.6	568.5	527.5
70°	361.2	394.0	437.1	457.7	461.8
72.5°	305.8	338.6	416.6	394.0	392.0
75°	246.3	281.2	320.2	318.1	314.0
77.5°	190.9	227.8	250.4	252.4	252.4
80°	139.6	184.7	184.7	184.7	174.4
82.5°	90.3	119.0	119.0	102.6	92.4
85°	51.3	63.6	45.2	24.6	16.4
87.5°	18.5	14.4	4.1	4.1	2.1
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)