

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: P701548

Luminaire Tested: **RX-WO-44LB2750-UNV-14_3000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701548
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_3000K
Description: 1X4 4400 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 3000K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

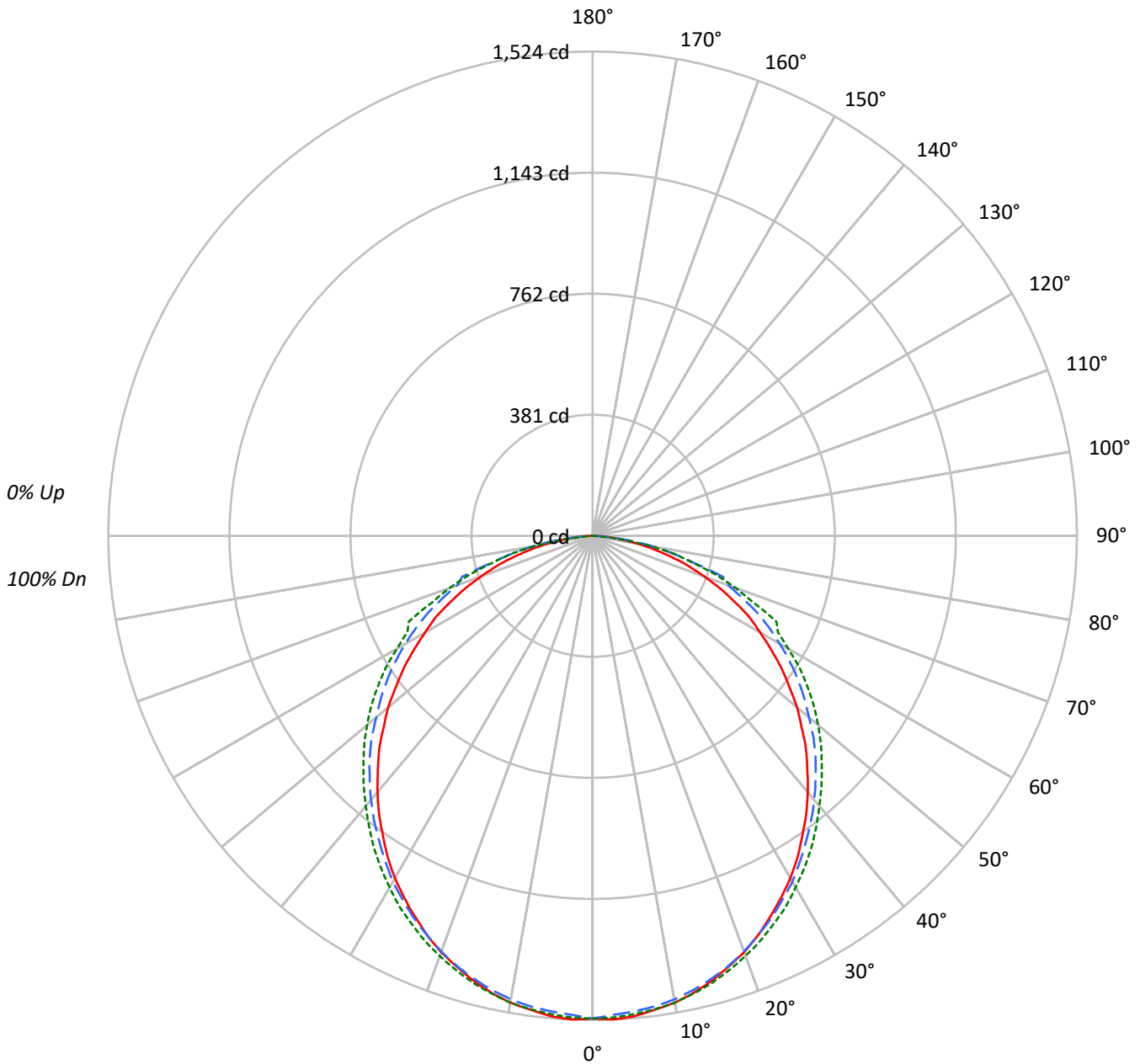
Lumens per Lamp: N/A
Luminaire Lumens: 4321.0 lumens
Efficiency: N/A
Efficacy: 120.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

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: P701548

CATALOG NUMBER: RX-WO-44LB2750-UNV-14_3000K

Luminous Intensity Polar Plot





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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°	4290	4290	4290
5°	4300	4258	4282
10°	4277	4247	4277
15°	4237	4218	4255
20°	4189	4183	4228
25°	4119	4139	4198
30°	4055	4097	4166
35°	3966	4039	4134
40°	3882	3999	4092
45°	3791	3960	4070
50°	3686	3900	4067
55°	3567	3880	4058
60°	3434	3841	4008
65°	3299	3808	4261
70°	3078	3726	3936
75°	2773	3606	3537
80°	2342	3101	2929
85°	1716	1509	551



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.5	3.3
10°-20°	409.0	9.5
20°-30°	614.9	14.2
30°-40°	735.5	17.0
40°-50°	762.6	17.6
50°-60°	699.3	16.2
60°-70°	556.3	12.9
70°-80°	330.6	7.6
80°-90°	69.3	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°	1167.4	27.0
0°-40°	1903.0	44.0
0°-60°	3364.9	77.9
0°-90°	4321.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4321.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1520	1520	1520	1520	1520	
5°	1518	1513	1503	1513	1511	144
15°	1450	1448	1443	1456	1456	409
25°	1323	1325	1329	1348	1348	610
35°	1151	1157	1172	1195	1200	721
45°	950	964	992	1013	1020	731
55°	725	750	788	820	824	647
65°	494	524	570	594	638	489
75°	254	290	331	328	324	270
85°	53	66	47	25	17	65
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1519.7	1519.7	1519.7	1519.7	1519.7
2.5°	1523.9	1519.7	1509.1	1519.7	1517.6
5°	1517.6	1513.3	1502.8	1513.3	1511.2
7.5°	1504.9	1502.8	1494.3	1504.9	1502.8
10°	1492.2	1487.9	1481.6	1492.2	1492.2
12.5°	1473.1	1468.8	1464.6	1477.3	1475.2
15°	1449.8	1447.6	1443.4	1456.1	1456.1
17.5°	1422.2	1422.2	1420.1	1432.8	1432.8
20°	1394.7	1392.5	1392.5	1407.4	1407.4
22.5°	1360.7	1360.7	1360.7	1379.8	1379.8
25°	1322.6	1324.7	1328.9	1348.0	1348.0
27.5°	1284.4	1288.7	1292.9	1312.0	1316.2
30°	1244.2	1246.3	1256.9	1276.0	1278.1
32.5°	1199.7	1203.9	1214.5	1235.7	1239.9
35°	1150.9	1157.3	1172.1	1195.4	1199.7
37.5°	1104.3	1112.8	1129.7	1153.0	1155.1
40°	1053.4	1064.0	1085.2	1106.4	1110.6
42.5°	1000.4	1013.1	1038.6	1061.9	1066.1
45°	949.6	964.4	991.9	1013.1	1019.5
47.5°	892.3	909.3	943.2	968.6	975.0
50°	839.3	856.3	888.1	919.9	926.2
52.5°	780.0	803.3	839.3	871.1	877.5
55°	724.9	750.3	788.5	820.3	824.5
57.5°	665.5	693.1	735.5	765.2	771.5
60°	608.3	638.0	680.4	707.9	710.0
62.5°	557.4	582.9	625.3	650.7	657.1
65°	493.9	523.5	570.2	593.5	638.0
67.5°	434.5	464.2	508.7	587.1	544.7
70°	373.0	407.0	451.5	472.7	476.9
72.5°	315.8	349.7	430.3	407.0	404.8
75°	254.3	290.4	330.6	328.5	324.3
77.5°	197.1	235.3	258.6	260.7	260.7
80°	144.1	190.8	190.8	190.8	180.2
82.5°	93.3	122.9	122.9	106.0	95.4
85°	53.0	65.7	46.6	25.4	17.0
87.5°	19.1	14.8	4.2	4.2	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)