

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: P701679

Luminaire Tested: **RX-WO-50LB2750-UNV-24_3500K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701679
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-13)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 8/21/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-50LB2750-UNV-24_3500K
Description: 2X4 5000 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 3500K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

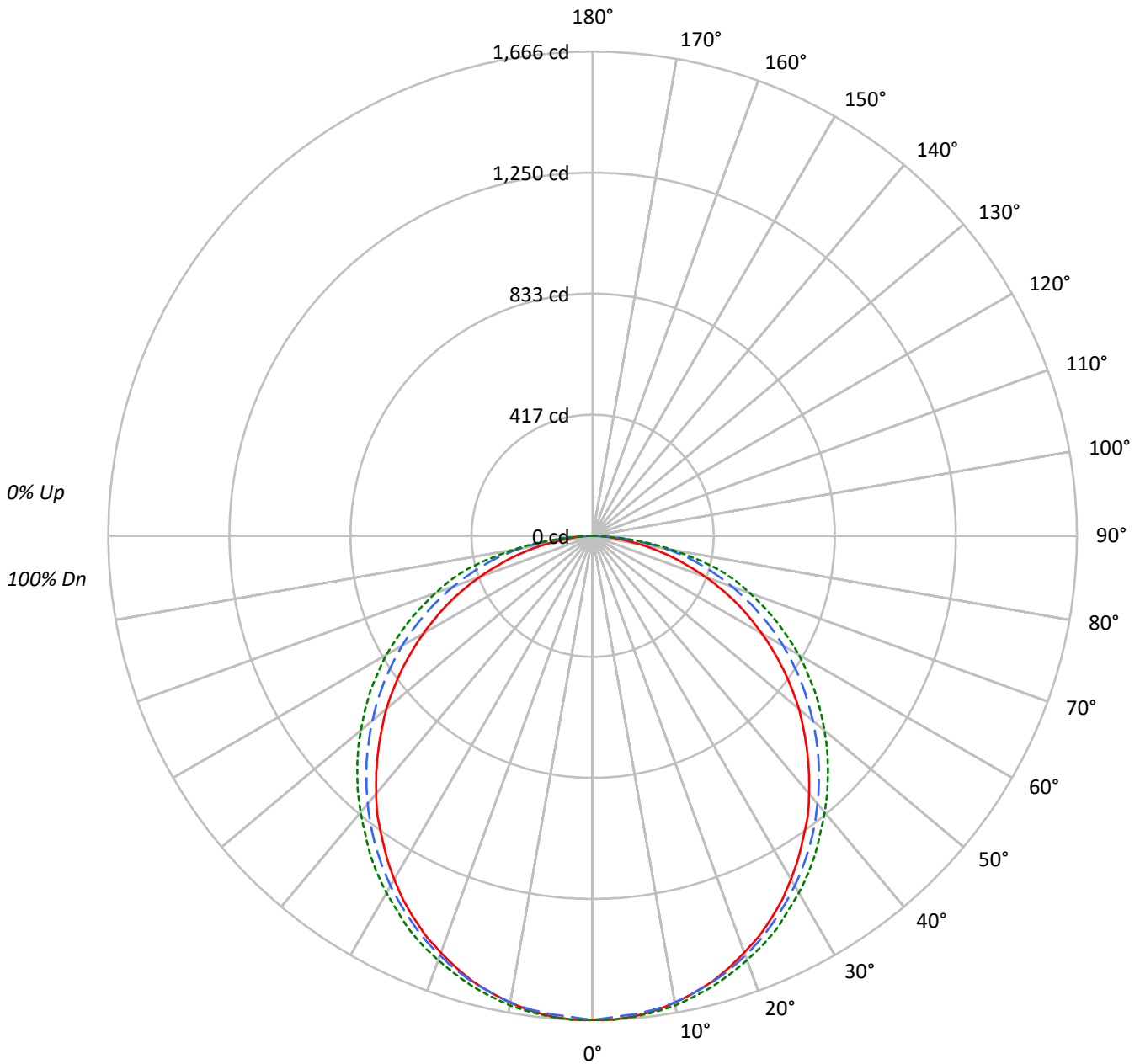
Lumens per Lamp: N/A
Luminaire Lumens: 4850.0 lumens
Efficiency: N/A
Efficacy: 121.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 40
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: P701679

CATALOG NUMBER: RX-WO-50LB2750-UNV-24_3500K

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	108	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83																			
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	68																			
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57																			
4	82	69	60	54	79	68	60	53	65	58	52	63	57	52	61	55	51	49																			
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42																			
6	69	56	47	40	67	55	46	40	53	45	39	51	44	39	50	44	39	37																			
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32																			
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29																			
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26																			
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2352	2352	2352
5°	2351	2341	2353
10°	2338	2336	2351
15°	2321	2323	2344
20°	2292	2307	2333
25°	2263	2287	2328
30°	2224	2267	2312
35°	2178	2244	2301
40°	2135	2218	2288
45°	2081	2195	2285
50°	2034	2172	2286
55°	1969	2152	2297
60°	1897	2136	2313
65°	1822	2117	2331
70°	1701	2101	2373
75°	1549	2106	2446
80°	1281	2083	2252
85°	981	1655	1598



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.6	3.2
10°-20°	449.8	9.3
20°-30°	678.6	14.0
30°-40°	814.7	16.8
40°-50°	847.3	17.5
50°-60°	779.2	16.1
60°-70°	621.0	12.8
70°-80°	393.5	8.1
80°-90°	108.2	2.2
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°	1286.0	26.5
0°-40°	2100.7	43.3
0°-60°	3727.2	76.8
0°-90°	4850.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4850.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1666	1666	1666	1666	1666	
5°	1659	1659	1652	1661	1661	157
15°	1588	1588	1590	1602	1604	448
25°	1453	1460	1469	1490	1495	669
35°	1264	1278	1302	1327	1335	792
45°	1043	1065	1100	1134	1145	805
55°	800	826	875	918	934	715
65°	546	573	634	682	698	538
75°	284	320	386	435	449	299
85°	61	87	102	100	99	72
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1666.2	1666.2	1666.2	1666.2	1666.2
2.5°	1666.2	1666.2	1657.6	1666.2	1666.2
5°	1659.3	1659.3	1652.4	1661.0	1661.0
7.5°	1647.2	1648.9	1643.7	1652.4	1652.4
10°	1631.6	1633.3	1629.9	1640.3	1640.3
12.5°	1610.8	1612.5	1610.8	1622.9	1622.9
15°	1588.3	1588.3	1590.0	1602.1	1603.9
17.5°	1558.8	1562.3	1565.8	1579.6	1579.6
20°	1525.9	1531.1	1536.3	1553.6	1553.6
22.5°	1493.0	1498.2	1505.2	1522.5	1525.9
25°	1453.2	1460.1	1468.8	1489.6	1494.8
27.5°	1411.6	1416.8	1430.7	1453.2	1454.9
30°	1364.9	1373.5	1390.8	1413.4	1418.5
32.5°	1316.4	1328.5	1347.5	1373.5	1378.7
35°	1264.4	1278.3	1302.5	1326.8	1335.4
37.5°	1215.9	1226.3	1254.0	1281.7	1286.9
40°	1158.7	1174.3	1203.8	1235.0	1241.9
42.5°	1101.6	1118.9	1151.8	1183.0	1195.1
45°	1042.7	1065.2	1099.9	1134.5	1144.9
47.5°	983.8	1008.1	1044.4	1082.5	1094.7
50°	926.6	949.2	989.0	1028.8	1041.0
52.5°	862.6	888.5	931.8	975.1	987.3
55°	800.2	826.2	874.7	918.0	933.6
57.5°	736.1	765.6	815.8	860.8	874.7
60°	672.0	703.2	756.9	801.9	819.3
62.5°	607.9	637.4	696.3	741.3	756.9
65°	545.6	573.3	633.9	682.4	698.0
67.5°	478.0	509.2	571.6	621.8	635.7
70°	412.2	443.4	509.2	561.2	575.0
72.5°	344.7	381.1	446.9	497.1	516.2
75°	284.1	320.4	386.2	434.7	448.6
77.5°	220.0	256.3	323.9	358.5	360.3
80°	157.6	199.2	256.3	270.2	277.1
82.5°	103.9	143.8	176.7	194.0	194.0
85°	60.6	86.6	102.2	100.5	98.7
87.5°	22.5	29.4	24.2	17.3	12.1
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)