

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: P701685

Luminaire Tested: **RX-WO-55HB2750-UNV-24_4000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701685
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-55HB2750-UNV-24_4000K
Description: 2X4 5500 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 4000K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

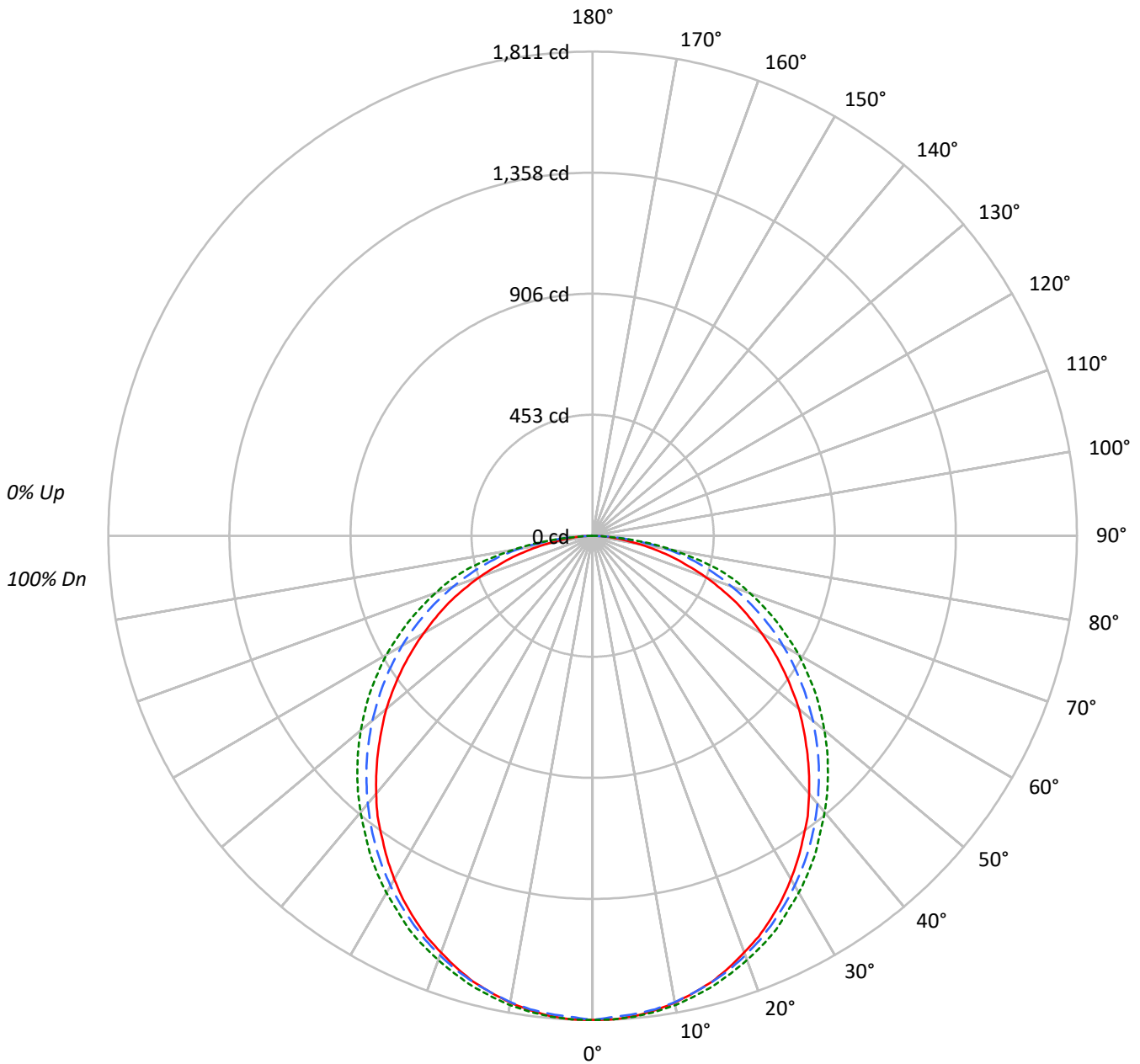
Lumens per Lamp: N/A
Luminaire Lumens: 5271.0 lumens
Efficiency: N/A
Efficacy: 125.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 42
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: P701685

CATALOG NUMBER: RX-WO-55HB2750-UNV-24_4000K

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°	2556	2556	2556
5°	2555	2544	2557
10°	2541	2538	2555
15°	2522	2525	2547
20°	2491	2508	2536
25°	2459	2486	2530
30°	2417	2463	2512
35°	2368	2439	2500
40°	2320	2410	2487
45°	2262	2386	2484
50°	2211	2360	2484
55°	2140	2339	2497
60°	2062	2322	2513
65°	1980	2301	2533
70°	1849	2284	2579
75°	1683	2289	2658
80°	1392	2264	2448
85°	1067	1799	1738



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.2	3.2
10°-20°	488.9	9.3
20°-30°	737.5	14.0
30°-40°	885.4	16.8
40°-50°	920.8	17.5
50°-60°	846.9	16.1
60°-70°	675.0	12.8
70°-80°	427.7	8.1
80°-90°	117.6	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°	1397.6	26.5
0°-40°	2283.0	43.3
0°-60°	4050.7	76.8
0°-90°	5271.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5271.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1811	1811	1811	1811	1811	
5°	1803	1803	1796	1805	1805	171
15°	1726	1726	1728	1741	1743	486
25°	1579	1587	1596	1619	1624	727
35°	1374	1389	1416	1442	1451	861
45°	1133	1158	1195	1233	1244	875
55°	870	898	951	998	1015	777
65°	593	623	689	742	759	584
75°	309	348	420	472	488	325
85°	66	94	111	109	107	79
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1810.9	1810.9	1810.9	1810.9	1810.9
2.5°	1810.9	1810.9	1801.5	1810.9	1810.9
5°	1803.3	1803.3	1795.8	1805.2	1805.2
7.5°	1790.2	1792.0	1786.4	1795.8	1795.8
10°	1773.2	1775.1	1771.3	1782.6	1782.6
12.5°	1750.6	1752.5	1750.6	1763.8	1763.8
15°	1726.2	1726.2	1728.0	1741.2	1743.1
17.5°	1694.2	1697.9	1701.7	1716.7	1716.7
20°	1658.4	1664.0	1669.7	1688.5	1688.5
22.5°	1622.6	1628.3	1635.8	1654.6	1658.4
25°	1579.3	1586.9	1596.3	1618.9	1624.5
27.5°	1534.2	1539.8	1554.9	1579.3	1581.2
30°	1483.3	1492.7	1511.6	1536.0	1541.7
32.5°	1430.6	1443.8	1464.5	1492.7	1498.4
35°	1374.2	1389.2	1415.6	1441.9	1451.3
37.5°	1321.4	1332.7	1362.9	1393.0	1398.6
40°	1259.3	1276.3	1308.3	1342.2	1349.7
42.5°	1197.2	1216.0	1251.8	1285.7	1298.9
45°	1133.2	1157.7	1195.3	1233.0	1244.3
47.5°	1069.2	1095.6	1135.1	1176.5	1189.7
50°	1007.1	1031.6	1074.8	1118.1	1131.3
52.5°	937.4	965.7	1012.7	1059.8	1073.0
55°	869.7	897.9	950.6	997.7	1014.6
57.5°	800.0	832.0	886.6	935.6	950.6
60°	730.4	764.3	822.6	871.6	890.4
62.5°	660.7	692.7	756.7	805.7	822.6
65°	593.0	623.1	689.0	741.7	758.6
67.5°	519.5	553.4	621.2	675.8	690.8
70°	448.0	481.9	553.4	609.9	625.0
72.5°	374.6	414.1	485.7	540.2	561.0
75°	308.7	348.2	419.8	472.5	487.5
77.5°	239.1	278.6	352.0	389.7	391.5
80°	171.3	216.5	278.6	293.7	301.2
82.5°	112.9	156.2	192.0	210.8	210.8
85°	65.9	94.1	111.1	109.2	107.3
87.5°	24.5	32.0	26.4	18.8	13.2
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)