

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: P701682

Luminaire Tested: **RX-WO-55HB2750-UNV-24_2700K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701682
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_2700K
Description: 2X4 5500 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 2700K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

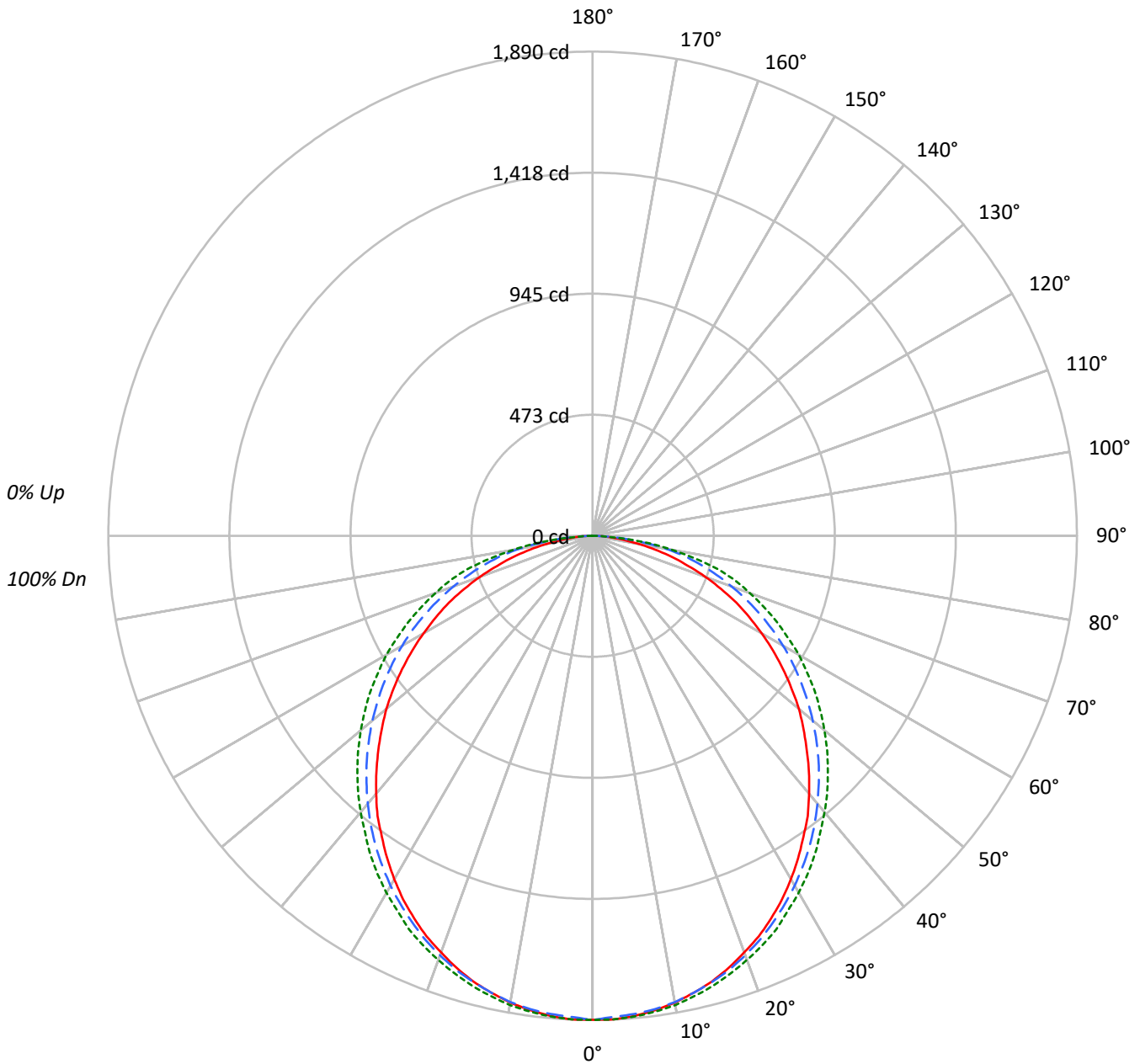
Lumens per Lamp: N/A
Luminaire Lumens: 5500.0 lumens
Efficiency: N/A
Efficacy: 131.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 42
Input Voltage (V): NR
Input Current (Ain): 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

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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°	2667	2667	2667
5°	2666	2655	2669
10°	2652	2649	2666
15°	2632	2635	2657
20°	2599	2617	2646
25°	2566	2594	2640
30°	2522	2570	2622
35°	2471	2545	2609
40°	2421	2515	2595
45°	2360	2490	2591
50°	2307	2462	2592
55°	2233	2441	2605
60°	2151	2423	2623
65°	2066	2401	2644
70°	1929	2383	2691
75°	1756	2388	2774
80°	1452	2363	2554
85°	1112	1877	1814



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.7	3.2
10°-20°	510.1	9.3
20°-30°	769.5	14.0
30°-40°	923.9	16.8
40°-50°	960.8	17.5
50°-60°	883.7	16.1
60°-70°	704.3	12.8
70°-80°	446.3	8.1
80°-90°	122.7	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°	1458.3	26.5
0°-40°	2382.2	43.3
0°-60°	4226.7	76.8
0°-90°	5500.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5500.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1890	1890	1890	1890	1890	
5°	1882	1882	1874	1884	1884	179
15°	1801	1801	1803	1817	1819	508
25°	1648	1656	1666	1689	1695	759
35°	1434	1450	1477	1505	1514	898
45°	1182	1208	1247	1286	1298	913
55°	908	937	992	1041	1059	811
65°	619	650	719	774	792	610
75°	322	363	438	493	509	339
85°	69	98	116	114	112	82
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1889.5	1889.5	1889.5	1889.5	1889.5
2.5°	1889.5	1889.5	1879.7	1889.5	1889.5
5°	1881.7	1881.7	1873.8	1883.6	1883.6
7.5°	1867.9	1869.9	1864.0	1873.8	1873.8
10°	1850.3	1852.2	1848.3	1860.1	1860.1
12.5°	1826.7	1828.7	1826.7	1840.4	1840.4
15°	1801.2	1801.2	1803.1	1816.9	1818.8
17.5°	1767.8	1771.7	1775.6	1791.3	1791.3
20°	1730.4	1736.3	1742.2	1761.9	1761.9
22.5°	1693.1	1699.0	1706.9	1726.5	1730.4
25°	1647.9	1655.8	1665.6	1689.2	1695.1
27.5°	1600.8	1606.7	1622.4	1647.9	1649.9
30°	1547.8	1557.6	1577.2	1602.8	1608.7
32.5°	1492.8	1506.5	1528.1	1557.6	1563.5
35°	1433.9	1449.6	1477.1	1504.6	1514.4
37.5°	1378.9	1390.6	1422.1	1453.5	1459.4
40°	1314.0	1331.7	1365.1	1400.5	1408.3
42.5°	1249.2	1268.9	1306.2	1341.5	1355.3
45°	1182.4	1208.0	1247.3	1286.5	1298.3
47.5°	1115.7	1143.2	1184.4	1227.6	1241.4
50°	1050.8	1076.4	1121.5	1166.7	1180.5
52.5°	978.2	1007.6	1056.7	1105.8	1119.6
55°	907.5	936.9	991.9	1041.0	1058.7
57.5°	834.8	868.2	925.1	976.2	991.9
60°	762.1	797.5	858.3	909.4	929.1
62.5°	689.4	722.8	789.6	840.7	858.3
65°	618.7	650.1	718.9	773.9	791.6
67.5°	542.1	577.5	648.2	705.1	720.9
70°	467.5	502.8	577.5	636.4	652.1
72.5°	390.9	432.1	506.8	563.7	585.3
75°	322.1	363.4	438.0	493.0	508.7
77.5°	249.5	290.7	367.3	406.6	408.5
80°	178.7	225.9	290.7	306.4	314.3
82.5°	117.9	163.0	200.3	220.0	220.0
85°	68.7	98.2	115.9	113.9	112.0
87.5°	25.5	33.4	27.5	19.6	13.7
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)