

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: P701683

Luminaire Tested: **RX-WO-55HB2750-UNV-24_3000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701683
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_3000K
Description: 2X4 5500 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 3000K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

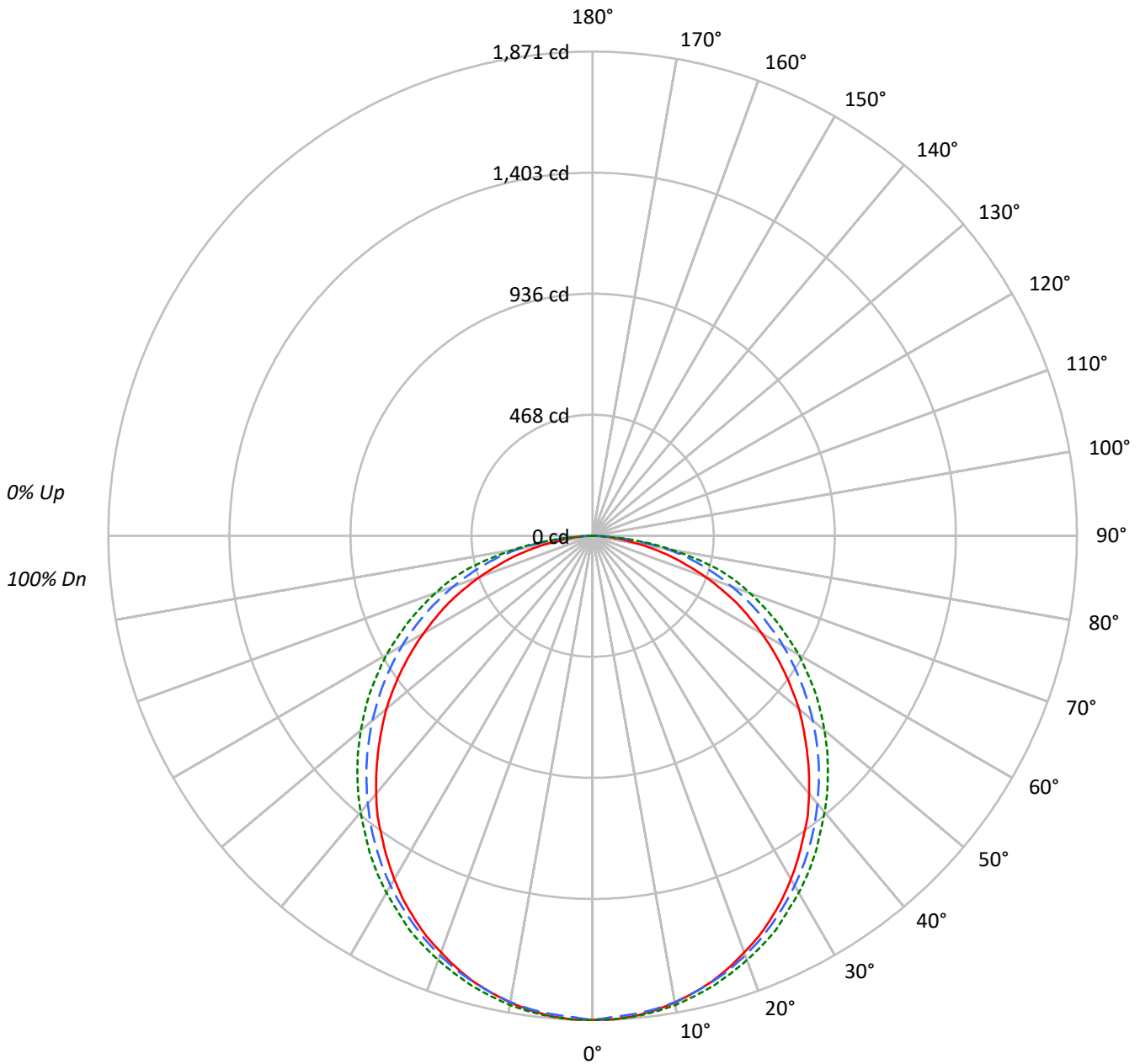
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5445.0 lumens
Efficiency: N/A
Efficacy: 129.6 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: P701683
CATALOG NUMBER: RX-WO-55HB2750-UNV-24_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	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°	2640	2640	2640
5°	2639	2628	2642
10°	2625	2622	2639
15°	2605	2608	2631
20°	2573	2591	2620
25°	2541	2568	2613
30°	2497	2545	2595
35°	2446	2519	2583
40°	2397	2490	2569
45°	2336	2465	2565
50°	2284	2438	2566
55°	2211	2416	2579
60°	2130	2399	2596
65°	2045	2377	2617
70°	1910	2359	2664
75°	1739	2364	2746
80°	1439	2339	2528
85°	1103	1857	1794



TEST NUMBER: P701683

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.9	3.2
10°-20°	505.0	9.3
20°-30°	761.8	14.0
30°-40°	914.6	16.8
40°-50°	951.2	17.5
50°-60°	874.8	16.1
60°-70°	697.2	12.8
70°-80°	441.8	8.1
80°-90°	121.5	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°	1443.7	26.5
0°-40°	2358.4	43.3
0°-60°	4184.4	76.8
0°-90°	5445.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5445.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1871	1871	1871	1871	1871	
5°	1863	1863	1855	1865	1865	177
15°	1783	1783	1785	1799	1801	502
25°	1632	1639	1649	1672	1678	751
35°	1420	1435	1462	1490	1499	889
45°	1171	1196	1235	1274	1285	904
55°	898	928	982	1031	1048	803
65°	612	644	712	766	784	604
75°	319	360	434	488	504	336
85°	68	97	115	113	111	81
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1870.6	1870.6	1870.6	1870.6	1870.6
2.5°	1870.6	1870.6	1860.9	1870.6	1870.6
5°	1862.9	1862.9	1855.1	1864.8	1864.8
7.5°	1849.3	1851.2	1845.4	1855.1	1855.1
10°	1831.8	1833.7	1829.8	1841.5	1841.5
12.5°	1808.4	1810.4	1808.4	1822.0	1822.0
15°	1783.1	1783.1	1785.1	1798.7	1800.6
17.5°	1750.1	1754.0	1757.9	1773.4	1773.4
20°	1713.1	1719.0	1724.8	1744.3	1744.3
22.5°	1676.2	1682.0	1689.8	1709.2	1713.1
25°	1631.5	1639.2	1649.0	1672.3	1678.1
27.5°	1584.8	1590.6	1606.2	1631.5	1633.4
30°	1532.3	1542.0	1561.5	1586.7	1592.6
32.5°	1477.8	1491.5	1512.9	1542.0	1547.9
35°	1419.5	1435.1	1462.3	1489.5	1499.2
37.5°	1365.1	1376.7	1407.8	1439.0	1444.8
40°	1300.9	1318.4	1351.5	1386.5	1394.2
42.5°	1236.7	1256.2	1293.1	1328.1	1341.7
45°	1170.6	1195.9	1234.8	1273.7	1285.3
47.5°	1104.5	1131.7	1172.6	1215.3	1228.9
50°	1040.3	1065.6	1110.3	1155.1	1168.7
52.5°	968.4	997.5	1046.2	1094.8	1108.4
55°	898.4	927.5	982.0	1030.6	1048.1
57.5°	826.4	859.5	915.9	966.4	982.0
60°	754.5	789.5	849.8	900.3	919.8
62.5°	682.5	715.6	781.7	832.3	849.8
65°	612.5	643.6	711.7	766.1	783.6
67.5°	536.7	571.7	641.7	698.1	713.6
70°	462.8	497.8	571.7	630.0	645.6
72.5°	387.0	427.8	501.7	558.1	579.5
75°	318.9	359.7	433.6	488.1	503.6
77.5°	247.0	287.8	363.6	402.5	404.5
80°	177.0	223.6	287.8	303.3	311.1
82.5°	116.7	161.4	198.3	217.8	217.8
85°	68.1	97.2	114.7	112.8	110.8
87.5°	25.3	33.1	27.2	19.4	13.6
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)