

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: P701684

Luminaire Tested: **RX-WO-55HB2750-UNV-24_3500K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701684
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_3500K
Description: 2X4 5500 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 3500K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

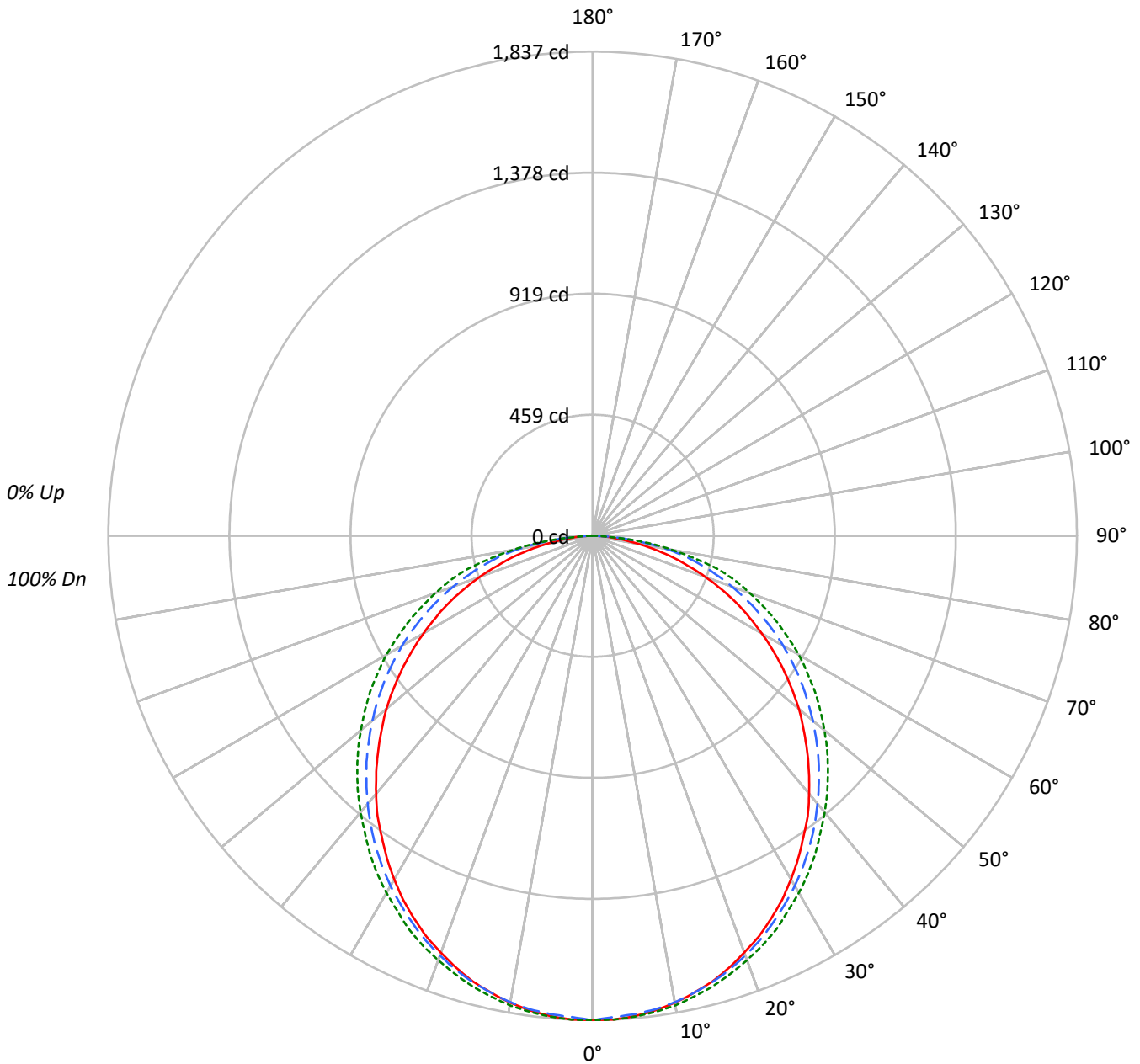
Lumens per Lamp: N/A
Luminaire Lumens: 5348.0 lumens
Efficiency: N/A
Efficacy: 127.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

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

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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°	2593	2593	2593
5°	2592	2581	2595
10°	2578	2576	2592
15°	2559	2562	2584
20°	2527	2544	2573
25°	2495	2522	2567
30°	2453	2499	2549
35°	2402	2474	2537
40°	2354	2446	2523
45°	2295	2421	2520
50°	2244	2395	2520
55°	2171	2373	2533
60°	2092	2356	2550
65°	2009	2334	2570
70°	1876	2317	2617
75°	1708	2322	2698
80°	1413	2298	2484
85°	1082	1825	1763



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.7	3.2
10°-20°	496.0	9.3
20°-30°	748.3	14.0
30°-40°	898.3	16.8
40°-50°	934.3	17.5
50°-60°	859.2	16.1
60°-70°	684.8	12.8
70°-80°	433.9	8.1
80°-90°	119.3	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°	1418.0	26.5
0°-40°	2316.4	43.3
0°-60°	4109.9	76.8
0°-90°	5348.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5348.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1837	1837	1837	1837	1837	
5°	1830	1830	1822	1832	1832	174
15°	1751	1751	1753	1767	1769	494
25°	1602	1610	1620	1642	1648	738
35°	1394	1410	1436	1463	1472	873
45°	1150	1175	1213	1251	1262	888
55°	882	911	964	1012	1029	789
65°	602	632	699	752	770	593
75°	313	353	426	479	495	330
85°	67	96	113	111	109	80
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1837.3	1837.3	1837.3	1837.3	1837.3
2.5°	1837.3	1837.3	1827.8	1837.3	1837.3
5°	1829.7	1829.7	1822.0	1831.6	1831.6
7.5°	1816.3	1818.2	1812.5	1822.0	1822.0
10°	1799.1	1801.0	1797.2	1808.7	1808.7
12.5°	1776.2	1778.1	1776.2	1789.6	1789.6
15°	1751.4	1751.4	1753.3	1766.7	1768.6
17.5°	1718.9	1722.7	1726.5	1741.8	1741.8
20°	1682.6	1688.3	1694.1	1713.2	1713.2
22.5°	1646.3	1652.1	1659.7	1678.8	1682.6
25°	1602.4	1610.0	1619.6	1642.5	1648.2
27.5°	1556.6	1562.3	1577.6	1602.4	1604.3
30°	1505.0	1514.5	1533.6	1558.5	1564.2
32.5°	1451.5	1464.9	1485.9	1514.5	1520.3
35°	1394.2	1409.5	1436.2	1463.0	1472.5
37.5°	1340.7	1352.2	1382.8	1413.3	1419.1
40°	1277.7	1294.9	1327.4	1361.8	1369.4
42.5°	1214.7	1233.8	1270.1	1304.5	1317.8
45°	1149.8	1174.6	1212.8	1251.0	1262.4
47.5°	1084.8	1111.6	1151.7	1193.7	1207.1
50°	1021.8	1046.6	1090.6	1134.5	1147.8
52.5°	951.1	979.8	1027.5	1075.3	1088.6
55°	882.4	911.0	964.5	1012.2	1029.4
57.5°	811.7	844.2	899.6	949.2	964.5
60°	741.0	775.4	834.6	884.3	903.4
62.5°	670.4	702.8	767.8	817.4	834.6
65°	601.6	632.2	699.0	752.5	769.7
67.5°	527.1	561.5	630.3	685.7	700.9
70°	454.6	488.9	561.5	618.8	634.1
72.5°	380.1	420.2	492.8	548.1	569.1
75°	313.2	353.3	425.9	479.4	494.7
77.5°	242.6	282.7	357.2	395.3	397.3
80°	173.8	219.6	282.7	297.9	305.6
82.5°	114.6	158.5	194.8	213.9	213.9
85°	66.8	95.5	112.7	110.8	108.9
87.5°	24.8	32.5	26.7	19.1	13.4
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)