

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: P701692

Luminaire Tested: **RX-WO-65HB2750-UNV-24\_2700K**

Issue Date: 8/21/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P701692  
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-65HB2750-UNV-24\_2700K  
Description: 2X4 6500 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 2700K CCT AND ROUND LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

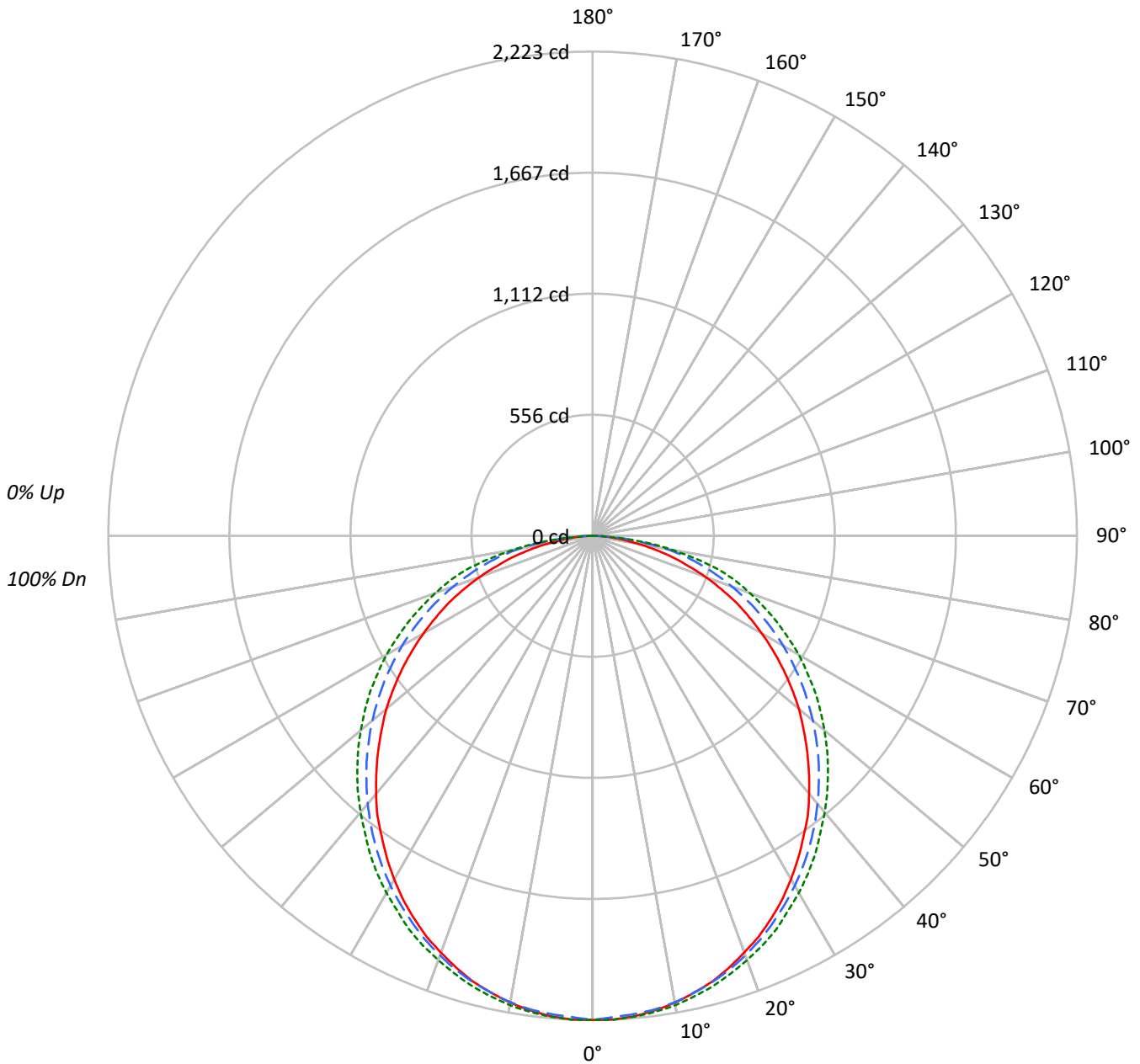
Lumens per Lamp: N/A  
Luminaire Lumens: 6471.0 lumens  
Efficiency: N/A  
Efficacy: 129.4 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')  
CIE Type: Direct

Input Watts (W): 50  
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°	3138	3138	3138
5°	3137	3123	3140
10°	3120	3116	3136
15°	3096	3100	3127
20°	3058	3079	3113
25°	3019	3052	3106
30°	2968	3024	3084
35°	2907	2994	3070
40°	2848	2959	3053
45°	2777	2929	3049
50°	2715	2897	3050
55°	2627	2872	3065
60°	2531	2851	3085
65°	2431	2825	3110
70°	2270	2804	3166
75°	2067	2810	3264
80°	1709	2780	3006
85°	1310	2207	2133



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	210.2	3.2
10°-20°	600.2	9.3
20°-30°	905.4	14.0
30°-40°	1087.0	16.8
40°-50°	1130.5	17.5
50°-60°	1039.7	16.1
60°-70°	828.6	12.8
70°-80°	525.1	8.1
80°-90°	144.4	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°	1715.8	26.5
0°-40°	2802.8	43.3
0°-60°	4972.9	76.8
0°-90°	6471.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6471.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2223	2223	2223	2223	2223	
5°	2214	2214	2205	2216	2216	210
15°	2119	2119	2121	2138	2140	597
25°	1939	1948	1960	1987	1994	893
35°	1687	1706	1738	1770	1782	1057
45°	1391	1421	1468	1514	1528	1074
55°	1068	1102	1167	1225	1246	954
65°	728	765	846	910	931	717
75°	379	428	515	580	598	399
85°	81	116	136	134	132	96
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2223.1	2223.1	2223.1	2223.1	2223.1
2.5°	2223.1	2223.1	2211.6	2223.1	2223.1
5°	2213.9	2213.9	2204.6	2216.2	2216.2
7.5°	2197.7	2200.0	2193.1	2204.6	2204.6
10°	2176.9	2179.2	2174.6	2188.5	2188.5
12.5°	2149.2	2151.5	2149.2	2165.4	2165.4
15°	2119.1	2119.1	2121.4	2137.6	2139.9
17.5°	2079.9	2084.5	2089.1	2107.6	2107.6
20°	2035.9	2042.9	2049.8	2072.9	2072.9
22.5°	1992.0	1999.0	2008.2	2031.3	2035.9
25°	1938.9	1948.1	1959.7	1987.4	1994.3
27.5°	1883.4	1890.4	1908.8	1938.9	1941.2
30°	1821.0	1832.6	1855.7	1885.7	1892.7
32.5°	1756.3	1772.5	1797.9	1832.6	1839.5
35°	1687.0	1705.5	1737.8	1770.2	1781.7
37.5°	1622.3	1636.2	1673.1	1710.1	1717.0
40°	1546.0	1566.8	1606.1	1647.7	1656.9
42.5°	1469.8	1492.9	1536.8	1578.4	1594.6
45°	1391.2	1421.2	1467.5	1513.7	1527.5
47.5°	1312.6	1345.0	1393.5	1444.3	1460.5
50°	1236.4	1266.4	1319.6	1372.7	1388.9
52.5°	1150.9	1185.5	1243.3	1301.1	1317.2
55°	1067.7	1102.3	1167.0	1224.8	1245.6
57.5°	982.2	1021.4	1088.5	1148.5	1167.0
60°	896.6	938.2	1009.9	1070.0	1093.1
62.5°	811.1	850.4	929.0	989.1	1009.9
65°	727.9	764.9	845.8	910.5	931.3
67.5°	637.8	679.4	762.6	829.6	848.1
70°	550.0	591.6	679.4	748.7	767.2
72.5°	459.9	508.4	596.2	663.2	688.7
75°	379.0	427.5	515.3	580.0	598.5
77.5°	293.5	342.0	432.1	478.4	480.7
80°	210.3	265.8	342.0	360.5	369.8
82.5°	138.7	191.8	235.7	258.8	258.8
85°	80.9	115.5	136.3	134.0	131.7
87.5°	30.0	39.3	32.4	23.1	16.2
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)