

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: P701694

Luminaire Tested: **RX-WO-65HB2750-UNV-24\_3500K**

Issue Date: 8/21/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P701694  
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\_3500K  
Description: 2X4 6500 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 3500K CCT AND ROUND LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

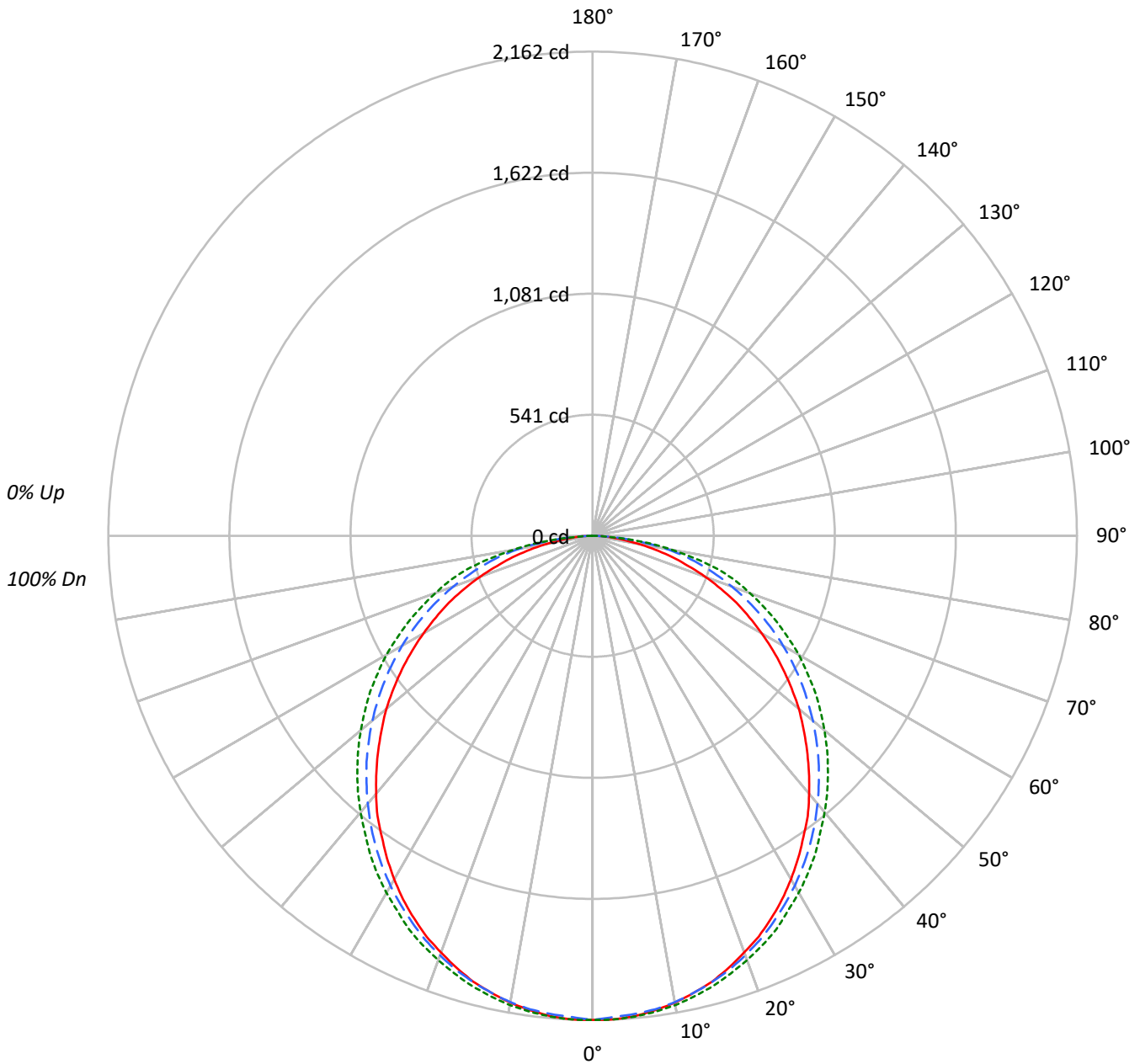
Lumens per Lamp: N/A  
Luminaire Lumens: 6293.0 lumens  
Efficiency: N/A  
Efficacy: 125.9 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')  
CIE Type: Direct

Input Watts (W): 50  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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					20					
RC	80					70					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°	3051	3051	3051
5°	3050	3037	3053
10°	3034	3031	3050
15°	3011	3014	3041
20°	2974	2994	3028
25°	2936	2968	3020
30°	2886	2941	3000
35°	2827	2912	2985
40°	2770	2878	2969
45°	2700	2848	2965
50°	2640	2818	2966
55°	2555	2793	2981
60°	2461	2772	3001
65°	2364	2747	3025
70°	2207	2726	3079
75°	2010	2733	3174
80°	1662	2703	2923
85°	1274	2147	2074



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	204.4	3.2
10°-20°	583.7	9.3
20°-30°	880.5	14.0
30°-40°	1057.1	16.8
40°-50°	1099.4	17.5
50°-60°	1011.1	16.1
60°-70°	805.8	12.8
70°-80°	510.6	8.1
80°-90°	140.4	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°	1668.6	26.5
0°-40°	2725.7	43.3
0°-60°	4836.1	76.8
0°-90°	6293.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6293.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2162	2162	2162	2162	2162	
5°	2153	2153	2144	2155	2155	204
15°	2061	2061	2063	2079	2081	581
25°	1886	1894	1906	1933	1940	868
35°	1641	1659	1690	1722	1733	1028
45°	1353	1382	1427	1472	1486	1045
55°	1038	1072	1135	1191	1211	928
65°	708	744	822	886	906	698
75°	369	416	501	564	582	388
85°	79	112	133	130	128	94
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2162.0	2162.0	2162.0	2162.0	2162.0
2.5°	2162.0	2162.0	2150.7	2162.0	2162.0
5°	2153.0	2153.0	2144.0	2155.2	2155.2
7.5°	2137.3	2139.5	2132.8	2144.0	2144.0
10°	2117.0	2119.3	2114.8	2128.3	2128.3
12.5°	2090.1	2092.3	2090.1	2105.8	2105.8
15°	2060.8	2060.8	2063.1	2078.8	2081.1
17.5°	2022.6	2027.1	2031.6	2049.6	2049.6
20°	1979.9	1986.7	1993.4	2015.9	2015.9
22.5°	1937.2	1944.0	1953.0	1975.4	1979.9
25°	1885.6	1894.5	1905.8	1932.7	1939.5
27.5°	1831.6	1838.4	1856.3	1885.6	1887.8
30°	1770.9	1782.2	1804.6	1833.9	1840.6
32.5°	1708.0	1723.7	1748.5	1782.2	1788.9
35°	1640.6	1658.6	1690.0	1721.5	1732.7
37.5°	1577.7	1591.1	1627.1	1663.1	1669.8
40°	1503.5	1523.7	1561.9	1602.4	1611.4
42.5°	1429.3	1451.8	1494.5	1535.0	1550.7
45°	1352.9	1382.1	1427.1	1472.0	1485.5
47.5°	1276.5	1308.0	1355.2	1404.6	1420.3
50°	1202.3	1231.6	1283.3	1334.9	1350.7
52.5°	1119.2	1152.9	1209.1	1265.3	1281.0
55°	1038.3	1072.0	1134.9	1191.1	1211.3
57.5°	955.1	993.3	1058.5	1116.9	1134.9
60°	872.0	912.4	982.1	1040.5	1063.0
62.5°	788.8	827.0	903.4	961.9	982.1
65°	707.9	743.9	822.5	885.5	905.7
67.5°	620.3	660.7	741.6	806.8	824.8
70°	534.9	575.3	660.7	728.2	746.1
72.5°	447.2	494.4	579.8	645.0	669.7
75°	368.6	415.8	501.2	564.1	582.1
77.5°	285.4	332.6	420.3	465.2	467.5
80°	204.5	258.4	332.6	350.6	359.6
82.5°	134.8	186.5	229.2	251.7	251.7
85°	78.7	112.4	132.6	130.3	128.1
87.5°	29.2	38.2	31.5	22.5	15.7
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)