

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: P701693

Luminaire Tested: **RX-WO-65HB2750-UNV-24_3000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701693
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_3000K
Description: 2X4 6500 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 3000K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

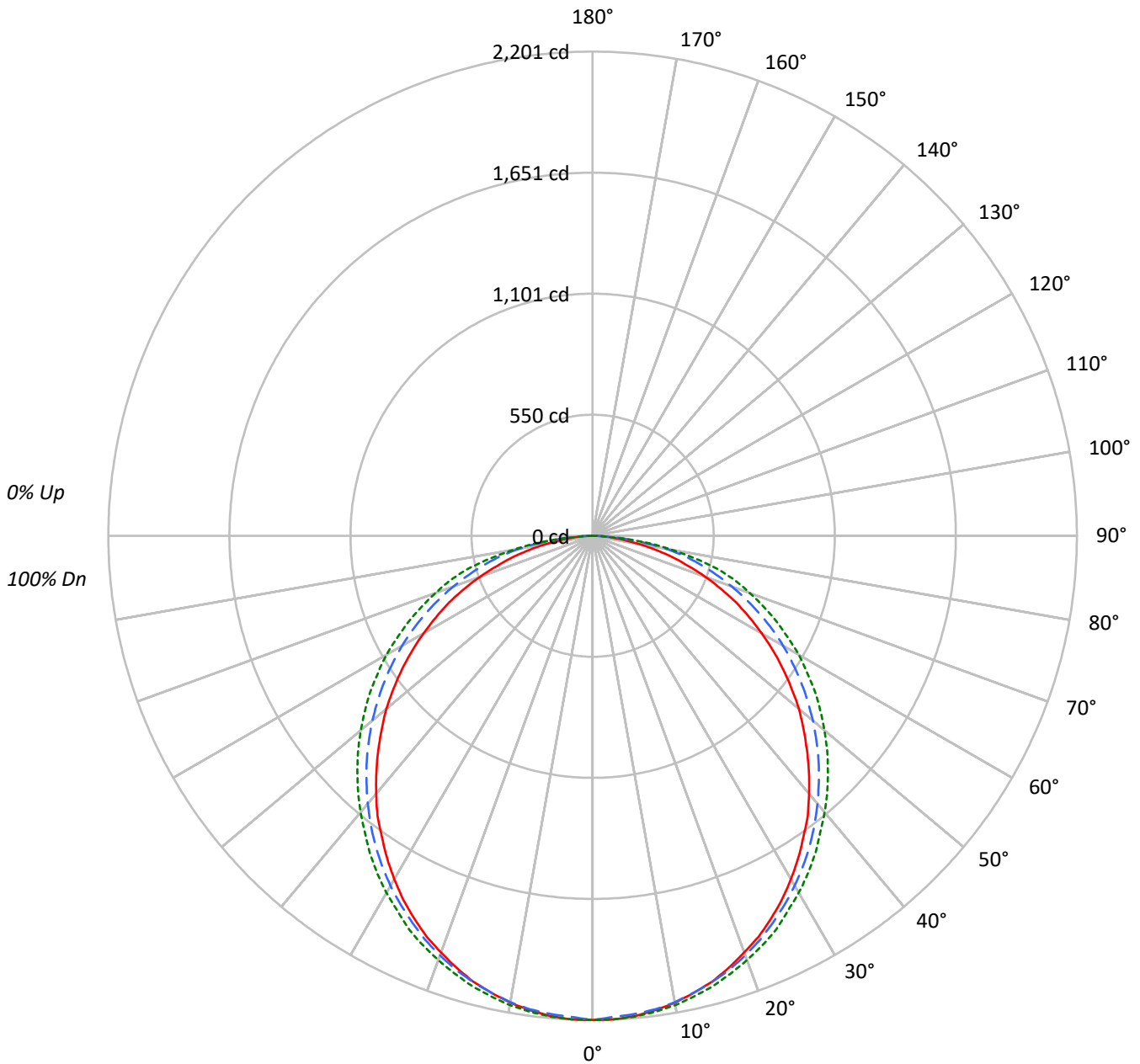
Lumens per Lamp: N/A
Luminaire Lumens: 6406.0 lumens
Efficiency: N/A
Efficacy: 128.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

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°	3106	3106	3106
5°	3105	3092	3108
10°	3088	3085	3105
15°	3065	3069	3095
20°	3027	3048	3082
25°	2989	3021	3074
30°	2938	2994	3054
35°	2877	2964	3039
40°	2820	2929	3022
45°	2749	2899	3018
50°	2687	2868	3019
55°	2601	2843	3034
60°	2505	2822	3054
65°	2406	2796	3079
70°	2247	2775	3134
75°	2046	2782	3231
80°	1692	2752	2975
85°	1297	2186	2112



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.1	3.2
10°-20°	594.1	9.3
20°-30°	896.3	14.0
30°-40°	1076.1	16.8
40°-50°	1119.1	17.5
50°-60°	1029.2	16.1
60°-70°	820.3	12.8
70°-80°	519.8	8.1
80°-90°	143.0	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°	1698.6	26.5
0°-40°	2774.6	43.3
0°-60°	4923.0	76.8
0°-90°	6406.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6406.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2201	2201	2201	2201	2201	
5°	2192	2192	2182	2194	2194	208
15°	2098	2098	2100	2116	2118	591
25°	1919	1929	1940	1968	1974	884
35°	1670	1688	1720	1752	1764	1046
45°	1377	1407	1453	1498	1512	1063
55°	1057	1091	1155	1212	1233	945
65°	721	757	837	901	922	710
75°	375	423	510	574	592	395
85°	80	114	135	133	130	96
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2200.8	2200.8	2200.8	2200.8	2200.8
2.5°	2200.8	2200.8	2189.4	2200.8	2200.8
5°	2191.6	2191.6	2182.5	2193.9	2193.9
7.5°	2175.6	2177.9	2171.1	2182.5	2182.5
10°	2155.0	2157.3	2152.8	2166.5	2166.5
12.5°	2127.6	2129.9	2127.6	2143.6	2143.6
15°	2097.9	2097.9	2100.1	2116.2	2118.4
17.5°	2059.0	2063.5	2068.1	2086.4	2086.4
20°	2015.5	2022.4	2029.2	2052.1	2052.1
22.5°	1972.0	1978.9	1988.0	2010.9	2015.5
25°	1919.4	1928.6	1940.0	1967.5	1974.3
27.5°	1864.5	1871.4	1889.7	1919.4	1921.7
30°	1802.7	1814.2	1837.1	1866.8	1873.7
32.5°	1738.7	1754.7	1779.9	1814.2	1821.0
35°	1670.0	1688.3	1720.4	1752.4	1763.8
37.5°	1606.0	1619.7	1656.3	1692.9	1699.8
40°	1530.5	1551.1	1590.0	1631.2	1640.3
42.5°	1455.0	1477.9	1521.3	1562.5	1578.5
45°	1377.2	1407.0	1452.7	1498.5	1512.2
47.5°	1299.4	1331.5	1379.5	1429.8	1445.8
50°	1223.9	1253.7	1306.3	1358.9	1374.9
52.5°	1139.3	1173.6	1230.8	1288.0	1304.0
55°	1056.9	1091.2	1155.3	1212.5	1233.1
57.5°	972.3	1011.2	1077.5	1137.0	1155.3
60°	887.6	928.8	999.7	1059.2	1082.1
62.5°	803.0	841.9	919.7	979.2	999.7
65°	720.6	757.2	837.3	901.4	922.0
67.5°	631.4	672.6	755.0	821.3	839.6
70°	544.5	585.7	672.6	741.2	759.5
72.5°	455.3	503.3	590.2	656.6	681.7
75°	375.2	423.2	510.2	574.2	592.5
77.5°	290.5	338.6	427.8	473.6	475.8
80°	208.2	263.1	338.6	356.9	366.0
82.5°	137.3	189.9	233.3	256.2	256.2
85°	80.1	114.4	135.0	132.7	130.4
87.5°	29.7	38.9	32.0	22.9	16.0
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)