

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: P701695

Luminaire Tested: **RX-WO-65HB2750-UNV-24_4000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701695
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_4000K
Description: 2X4 6500 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 4000K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

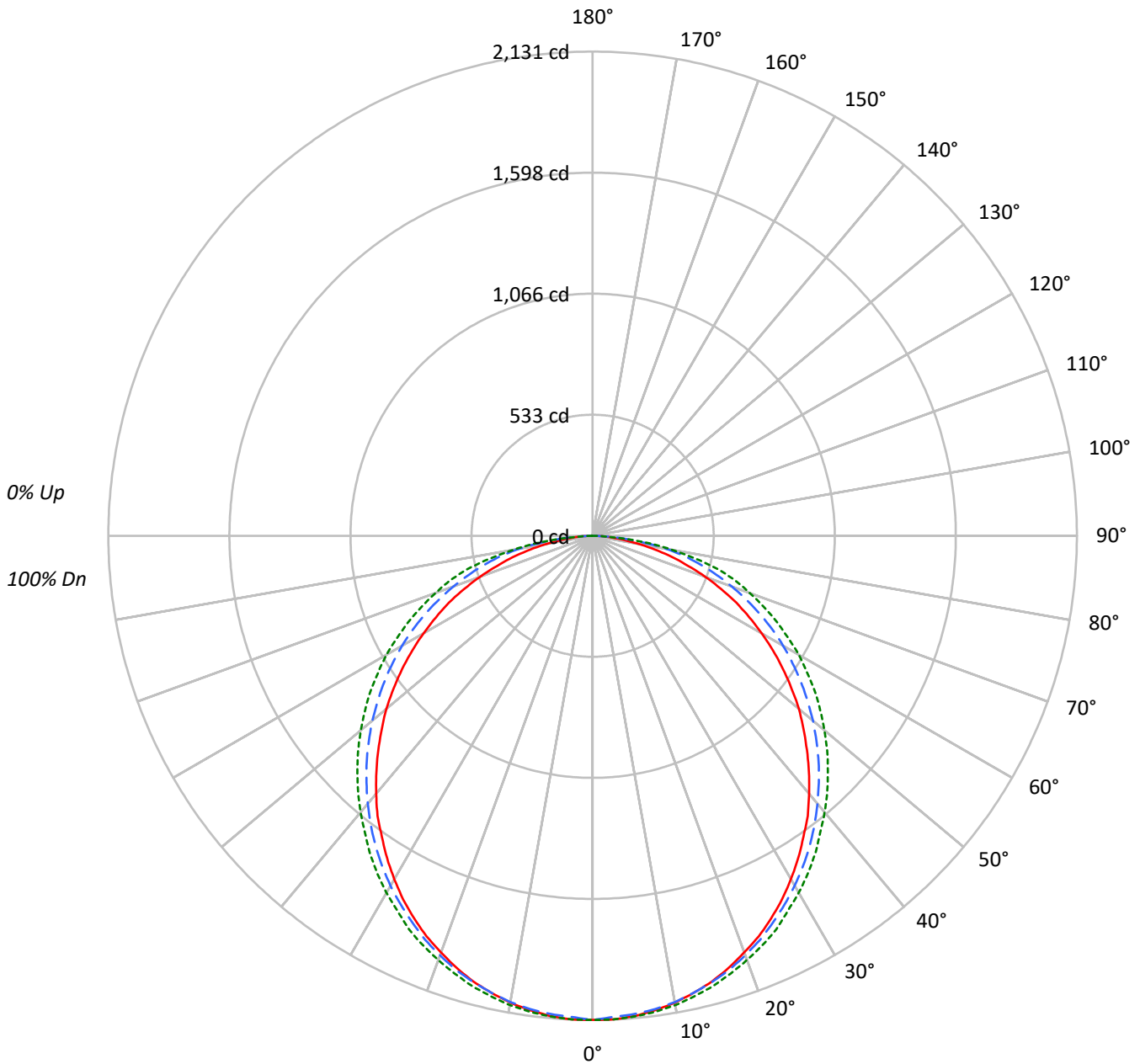
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6202.0 lumens
Efficiency: N/A
Efficacy: 124.0 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_{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°	3007	3007	3007
5°	3006	2994	3009
10°	2990	2987	3006
15°	2968	2971	2997
20°	2931	2951	2984
25°	2894	2925	2977
30°	2844	2898	2956
35°	2786	2870	2942
40°	2730	2836	2926
45°	2661	2807	2922
50°	2602	2777	2923
55°	2518	2752	2937
60°	2426	2732	2957
65°	2330	2707	2981
70°	2175	2687	3034
75°	1981	2693	3128
80°	1639	2664	2880
85°	1255	2116	2044



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.5	3.2
10°-20°	575.2	9.3
20°-30°	867.8	14.0
30°-40°	1041.8	16.8
40°-50°	1083.5	17.5
50°-60°	996.5	16.1
60°-70°	794.2	12.8
70°-80°	503.2	8.1
80°-90°	138.4	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°	1644.5	26.5
0°-40°	2686.3	43.3
0°-60°	4766.2	76.8
0°-90°	6202.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6202.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2131	2131	2131	2131	2131	
5°	2122	2122	2113	2124	2124	201
15°	2031	2031	2033	2049	2051	572
25°	1858	1867	1878	1905	1911	856
35°	1617	1635	1666	1697	1708	1013
45°	1333	1362	1406	1451	1464	1029
55°	1023	1056	1118	1174	1194	915
65°	698	733	811	873	893	688
75°	363	410	494	556	574	382
85°	78	111	131	128	126	92
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2130.7	2130.7	2130.7	2130.7	2130.7
2.5°	2130.7	2130.7	2119.6	2130.7	2130.7
5°	2121.9	2121.9	2113.0	2124.1	2124.1
7.5°	2106.4	2108.6	2101.9	2113.0	2113.0
10°	2086.4	2088.6	2084.2	2097.5	2097.5
12.5°	2059.8	2062.1	2059.8	2075.3	2075.3
15°	2031.0	2031.0	2033.3	2048.8	2051.0
17.5°	1993.4	1997.8	2002.3	2020.0	2020.0
20°	1951.3	1958.0	1964.6	1986.7	1986.7
22.5°	1909.2	1915.9	1924.7	1946.9	1951.3
25°	1858.3	1867.1	1878.2	1904.8	1911.4
27.5°	1805.1	1811.8	1829.5	1858.3	1860.5
30°	1745.3	1756.4	1778.5	1807.3	1814.0
32.5°	1683.3	1698.8	1723.2	1756.4	1763.0
35°	1616.9	1634.6	1665.6	1696.6	1707.7
37.5°	1554.8	1568.1	1603.6	1639.0	1645.7
40°	1481.8	1501.7	1539.3	1579.2	1588.1
42.5°	1408.7	1430.8	1472.9	1512.8	1528.3
45°	1333.4	1362.2	1406.4	1450.7	1464.0
47.5°	1258.1	1289.1	1335.6	1384.3	1399.8
50°	1185.0	1213.8	1264.7	1315.6	1331.1
52.5°	1103.0	1136.2	1191.6	1247.0	1262.5
55°	1023.3	1056.5	1118.5	1173.9	1193.8
57.5°	941.3	979.0	1043.2	1100.8	1118.5
60°	859.4	899.2	967.9	1025.5	1047.6
62.5°	777.4	815.1	890.4	948.0	967.9
65°	697.7	733.1	810.6	872.7	892.6
67.5°	611.3	651.2	730.9	795.1	812.9
70°	527.1	567.0	651.2	717.6	735.3
72.5°	440.8	487.3	571.4	635.7	660.0
75°	363.2	409.8	493.9	555.9	573.7
77.5°	281.3	327.8	414.2	458.5	460.7
80°	201.6	254.7	327.8	345.5	354.4
82.5°	132.9	183.8	225.9	248.1	248.1
85°	77.5	110.7	130.7	128.5	126.2
87.5°	28.8	37.7	31.0	22.1	15.5
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)