

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: P701696

Luminaire Tested: **RX-WO-65HB2750-UNV-24_5000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701696
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_5000K
Description: 2X4 6500 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 5000K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

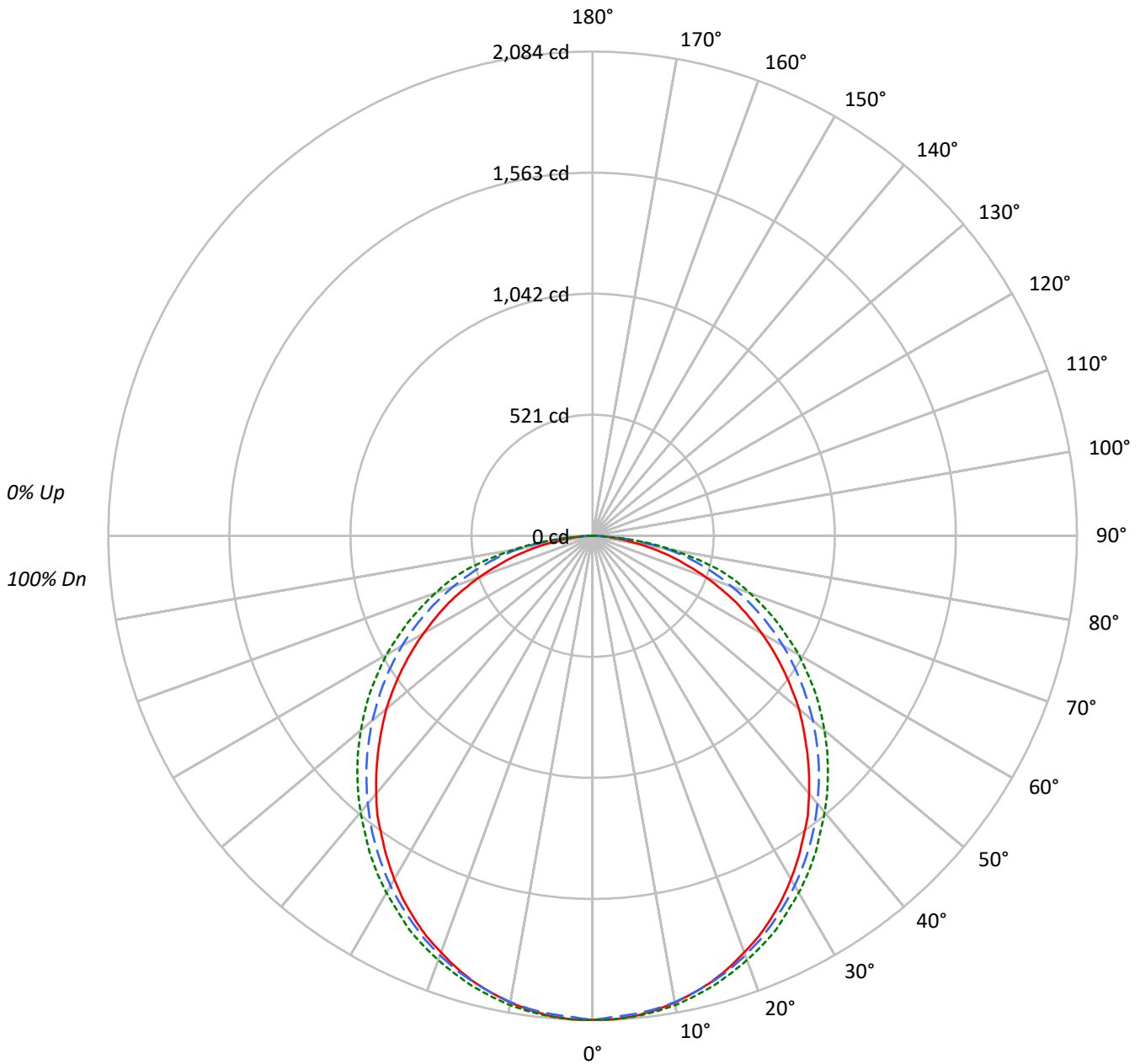
Lumens per Lamp: N/A
Luminaire Lumens: 6065.0 lumens
Efficiency: N/A
Efficacy: 121.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 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					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°	2941	2941	2941
5°	2940	2927	2943
10°	2924	2921	2940
15°	2902	2905	2931
20°	2866	2885	2918
25°	2830	2860	2911
30°	2782	2834	2891
35°	2724	2806	2877
40°	2670	2773	2861
45°	2603	2745	2858
50°	2544	2716	2858
55°	2462	2691	2872
60°	2372	2672	2892
65°	2279	2647	2915
70°	2127	2628	2967
75°	1937	2634	3059
80°	1602	2606	2817
85°	1227	2070	2000



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.0	3.2
10°-20°	562.5	9.3
20°-30°	848.6	14.0
30°-40°	1018.8	16.8
40°-50°	1059.5	17.5
50°-60°	974.5	16.1
60°-70°	776.6	12.8
70°-80°	492.1	8.1
80°-90°	135.4	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°	1608.1	26.5
0°-40°	2626.9	43.3
0°-60°	4660.9	76.8
0°-90°	6065.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6065.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2084	2084	2084	2084	2084	
5°	2075	2075	2066	2077	2077	197
15°	1986	1986	1988	2004	2006	560
25°	1817	1826	1837	1863	1869	837
35°	1581	1598	1629	1659	1670	990
45°	1304	1332	1375	1419	1432	1007
55°	1001	1033	1094	1148	1167	894
65°	682	717	793	853	873	673
75°	355	401	483	544	561	374
85°	76	108	128	126	124	90
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2083.6	2083.6	2083.6	2083.6	2083.6
2.5°	2083.6	2083.6	2072.8	2083.6	2083.6
5°	2075.0	2075.0	2066.3	2077.2	2077.2
7.5°	2059.8	2062.0	2055.5	2066.3	2066.3
10°	2040.3	2042.5	2038.2	2051.2	2051.2
12.5°	2014.3	2016.5	2014.3	2029.5	2029.5
15°	1986.2	1986.2	1988.3	2003.5	2005.7
17.5°	1949.4	1953.7	1958.0	1975.4	1975.4
20°	1908.2	1914.7	1921.2	1942.9	1942.9
22.5°	1867.1	1873.6	1882.2	1903.9	1908.2
25°	1817.2	1825.9	1836.7	1862.7	1869.2
27.5°	1765.3	1771.8	1789.1	1817.2	1819.4
30°	1706.8	1717.6	1739.3	1767.4	1773.9
32.5°	1646.1	1661.3	1685.1	1717.6	1724.1
35°	1581.1	1598.5	1628.8	1659.1	1670.0
37.5°	1520.5	1533.5	1568.2	1602.8	1609.3
40°	1449.0	1468.5	1505.3	1544.3	1553.0
42.5°	1377.5	1399.2	1440.4	1479.3	1494.5
45°	1303.9	1332.1	1375.4	1418.7	1431.7
47.5°	1230.3	1260.6	1306.1	1353.7	1368.9
50°	1158.8	1186.9	1236.8	1286.6	1301.7
52.5°	1078.6	1111.1	1165.3	1219.4	1234.6
55°	1000.7	1033.2	1093.8	1148.0	1167.4
57.5°	920.5	957.4	1020.2	1076.5	1093.8
60°	840.4	879.4	946.5	1002.8	1024.5
62.5°	760.3	797.1	870.7	927.0	946.5
65°	682.3	716.9	792.7	853.4	872.9
67.5°	597.8	636.8	714.8	777.6	794.9
70°	515.5	554.5	636.8	701.8	719.1
72.5°	431.0	476.5	558.8	621.6	645.5
75°	355.2	400.7	483.0	543.7	561.0
77.5°	275.1	320.6	405.0	448.4	450.5
80°	197.1	249.1	320.6	337.9	346.6
82.5°	130.0	179.8	220.9	242.6	242.6
85°	75.8	108.3	127.8	125.6	123.5
87.5°	28.2	36.8	30.3	21.7	15.2
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)