

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: P701666

Luminaire Tested: **RX-WO-45HB2750-UNV-24_5000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701666
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-45HB2750-UNV-24_5000K
Description: 2X4 4500 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 5000K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

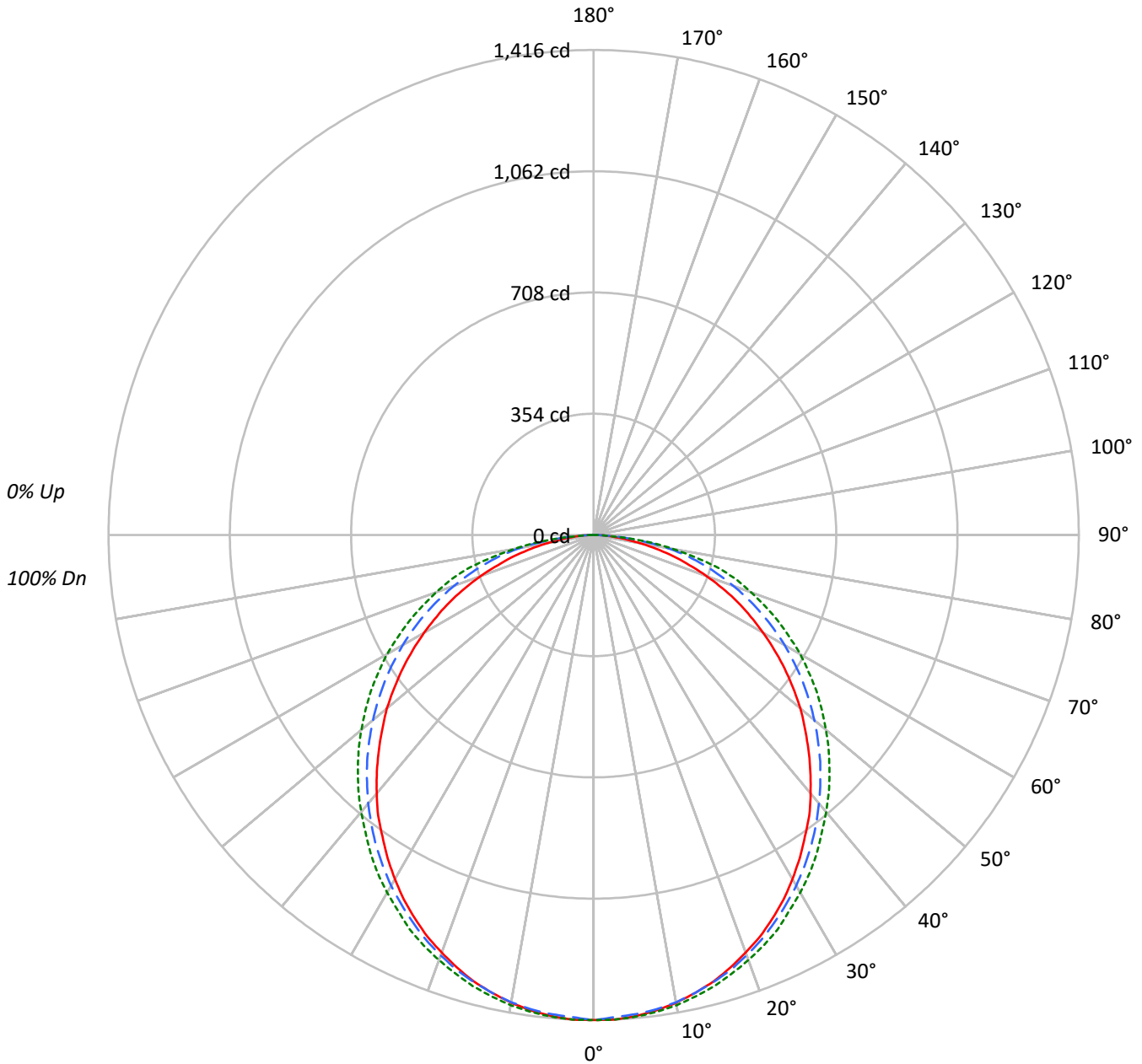
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4123.0 lumens
Efficiency: N/A
Efficacy: 124.9 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): 33
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°	1999	1999	1999
5°	1998	1990	2001
10°	1988	1986	1998
15°	1973	1975	1992
20°	1948	1962	1984
25°	1924	1944	1979
30°	1891	1927	1965
35°	1852	1908	1956
40°	1815	1885	1945
45°	1769	1866	1943
50°	1730	1846	1943
55°	1674	1830	1953
60°	1613	1816	1966
65°	1549	1800	1982
70°	1446	1786	2017
75°	1317	1790	2080
80°	1089	1771	1915
85°	834	1407	1359



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.9	3.2
10°-20°	382.4	9.3
20°-30°	576.9	14.0
30°-40°	692.6	16.8
40°-50°	720.3	17.5
50°-60°	662.4	16.1
60°-70°	527.9	12.8
70°-80°	334.5	8.1
80°-90°	92.0	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°	1093.2	26.5
0°-40°	1785.8	43.3
0°-60°	3168.5	76.8
0°-90°	4123.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4123.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1416	1416	1416	1416	1416	
5°	1411	1411	1405	1412	1412	134
15°	1350	1350	1352	1362	1364	380
25°	1235	1241	1249	1266	1271	569
35°	1075	1087	1107	1128	1135	673
45°	886	906	935	964	973	684
55°	680	702	744	780	794	608
65°	464	487	539	580	593	457
75°	242	272	328	370	381	254
85°	52	74	87	85	84	61
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1416.5	1416.5	1416.5	1416.5	1416.5
2.5°	1416.5	1416.5	1409.1	1416.5	1416.5
5°	1410.6	1410.6	1404.7	1412.1	1412.1
7.5°	1400.3	1401.7	1397.3	1404.7	1404.7
10°	1387.0	1388.5	1385.5	1394.4	1394.4
12.5°	1369.4	1370.8	1369.4	1379.7	1379.7
15°	1350.2	1350.2	1351.7	1362.0	1363.5
17.5°	1325.2	1328.1	1331.1	1342.8	1342.8
20°	1297.2	1301.6	1306.0	1320.8	1320.8
22.5°	1269.2	1273.6	1279.5	1294.3	1297.2
25°	1235.4	1241.3	1248.6	1266.3	1270.7
27.5°	1200.0	1204.4	1216.2	1235.4	1236.8
30°	1160.3	1167.6	1182.4	1201.5	1205.9
32.5°	1119.0	1129.3	1145.5	1167.6	1172.0
35°	1074.9	1086.6	1107.3	1127.9	1135.2
37.5°	1033.6	1042.5	1066.0	1089.6	1094.0
40°	985.0	998.3	1023.3	1049.8	1055.7
42.5°	936.5	951.2	979.2	1005.7	1016.0
45°	886.4	905.5	935.0	964.4	973.3
47.5°	836.3	856.9	887.9	920.3	930.6
50°	787.7	806.9	840.8	874.6	884.9
52.5°	733.3	755.4	792.2	829.0	839.3
55°	680.3	702.3	743.6	780.4	793.6
57.5°	625.8	650.8	693.5	731.8	743.6
60°	571.3	597.8	643.4	681.7	696.5
62.5°	516.8	541.9	591.9	630.2	643.4
65°	463.8	487.4	538.9	580.1	593.4
67.5°	406.4	432.9	485.9	528.6	540.4
70°	350.4	376.9	432.9	477.1	488.8
72.5°	293.0	323.9	379.9	422.6	438.8
75°	241.5	272.4	328.3	369.6	381.4
77.5°	187.0	217.9	275.3	304.8	306.3
80°	134.0	169.3	217.9	229.7	235.6
82.5°	88.3	122.2	150.2	164.9	164.9
85°	51.5	73.6	86.9	85.4	83.9
87.5°	19.1	25.0	20.6	14.7	10.3
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)