

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: P701665

Luminaire Tested: **RX-WO-45HB2750-UNV-24_4000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701665
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_4000K
Description: 2X4 4500 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 4000K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

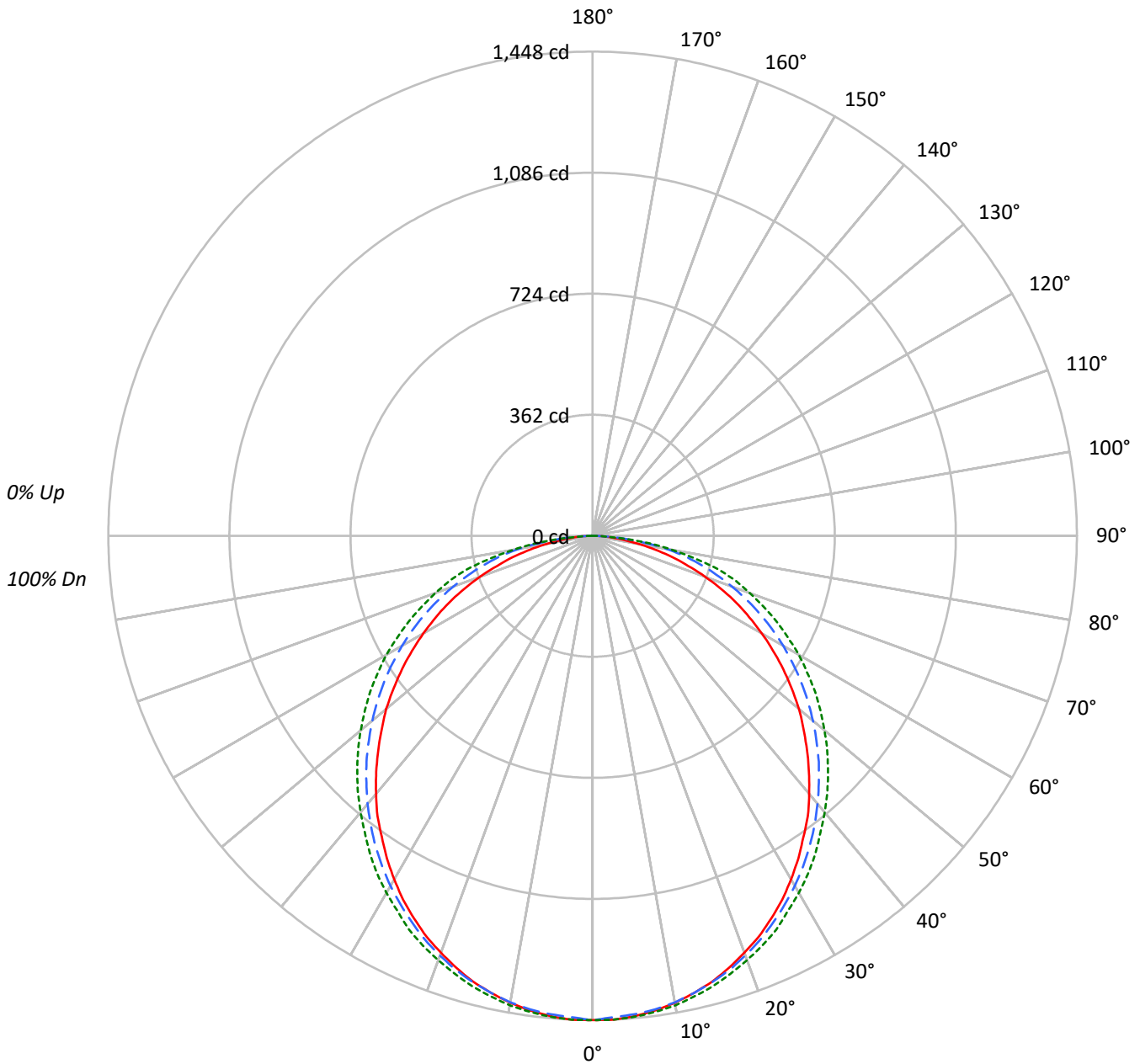
Lumens per Lamp: N/A
Luminaire Lumens: 4216.0 lumens
Efficiency: N/A
Efficacy: 127.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

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									
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°	2044	2044	2044
5°	2043	2035	2046
10°	2033	2030	2043
15°	2017	2020	2037
20°	1992	2006	2028
25°	1967	1988	2023
30°	1933	1970	2010
35°	1894	1951	2000
40°	1856	1928	1989
45°	1809	1908	1986
50°	1769	1888	1987
55°	1712	1871	1997
60°	1649	1857	2010
65°	1584	1840	2026
70°	1479	1827	2063
75°	1346	1831	2127
80°	1113	1811	1958
85°	853	1438	1389



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.0	3.2
10°-20°	391.0	9.3
20°-30°	589.9	14.0
30°-40°	708.2	16.8
40°-50°	736.5	17.5
50°-60°	677.4	16.1
60°-70°	539.9	12.8
70°-80°	342.1	8.1
80°-90°	94.1	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°	1117.9	26.5
0°-40°	1826.1	43.3
0°-60°	3240.0	76.8
0°-90°	4216.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4216.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1448	1448	1448	1448	1448	
5°	1442	1442	1436	1444	1444	137
15°	1381	1381	1382	1393	1394	389
25°	1263	1269	1277	1295	1299	582
35°	1099	1111	1132	1153	1161	688
45°	906	926	956	986	995	700
55°	696	718	760	798	812	622
65°	474	498	551	593	607	467
75°	247	278	336	378	390	260
85°	53	75	89	87	86	63
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1448.4	1448.4	1448.4	1448.4	1448.4
2.5°	1448.4	1448.4	1440.9	1448.4	1448.4
5°	1442.4	1442.4	1436.4	1443.9	1443.9
7.5°	1431.9	1433.4	1428.8	1436.4	1436.4
10°	1418.3	1419.8	1416.8	1425.8	1425.8
12.5°	1400.2	1401.7	1400.2	1410.8	1410.8
15°	1380.7	1380.7	1382.2	1392.7	1394.2
17.5°	1355.1	1358.1	1361.1	1373.1	1373.1
20°	1326.5	1331.0	1335.5	1350.6	1350.6
22.5°	1297.9	1302.4	1308.4	1323.5	1326.5
25°	1263.2	1269.2	1276.8	1294.8	1299.4
27.5°	1227.1	1231.6	1243.7	1263.2	1264.7
30°	1186.4	1194.0	1209.0	1228.6	1233.1
32.5°	1144.3	1154.8	1171.4	1194.0	1198.5
35°	1099.1	1111.2	1132.2	1153.3	1160.8
37.5°	1057.0	1066.0	1090.1	1114.2	1118.7
40°	1007.3	1020.8	1046.4	1073.5	1079.5
42.5°	957.6	972.6	1001.2	1028.3	1038.9
45°	906.4	926.0	956.1	986.2	995.2
47.5°	855.2	876.3	907.9	941.0	951.6
50°	805.5	825.1	859.7	894.3	904.9
52.5°	749.8	772.4	810.0	847.7	858.2
55°	695.6	718.2	760.3	798.0	811.5
57.5°	639.9	665.5	709.2	748.3	760.3
60°	584.2	611.3	658.0	697.1	712.2
62.5°	528.5	554.1	605.3	644.4	658.0
65°	474.3	498.4	551.1	593.2	606.8
67.5°	415.6	442.7	496.9	540.5	552.6
70°	358.3	385.4	442.7	487.8	499.9
72.5°	299.6	331.2	388.5	432.1	448.7
75°	246.9	278.5	335.8	377.9	390.0
77.5°	191.2	222.8	281.6	311.7	313.2
80°	137.0	173.1	222.8	234.9	240.9
82.5°	90.3	125.0	153.6	168.6	168.6
85°	52.7	75.3	88.8	87.3	85.8
87.5°	19.6	25.6	21.1	15.1	10.5
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)