

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: P701670

Luminaire Tested: **RX-WO-45LB2750-UNV-24_4000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701670
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-45LB2750-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

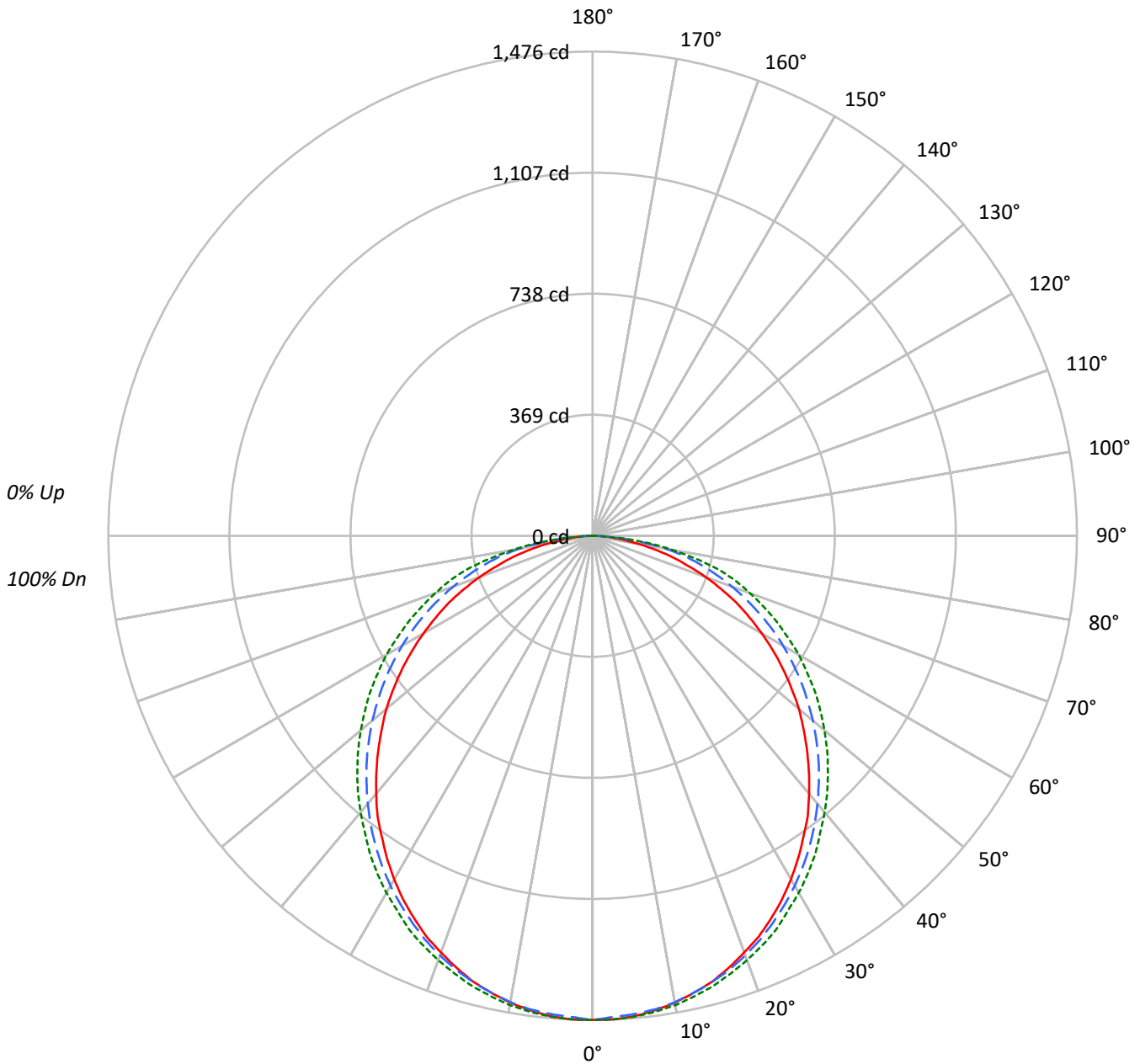
Lumens per Lamp: N/A
Luminaire Lumens: 4296.0 lumens
Efficiency: N/A
Efficacy: 119.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 36
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				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°	2083	2083	2083
5°	2082	2074	2084
10°	2071	2069	2082
15°	2056	2058	2076
20°	2030	2044	2067
25°	2004	2026	2062
30°	1970	2008	2048
35°	1930	1988	2038
40°	1891	1965	2027
45°	1843	1944	2024
50°	1802	1923	2025
55°	1744	1906	2035
60°	1680	1892	2048
65°	1614	1875	2065
70°	1507	1861	2102
75°	1372	1865	2167
80°	1135	1846	1995
85°	870	1465	1415



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.6	3.2
10°-20°	398.4	9.3
20°-30°	601.1	14.0
30°-40°	721.6	16.8
40°-50°	750.5	17.5
50°-60°	690.2	16.1
60°-70°	550.1	12.8
70°-80°	348.6	8.1
80°-90°	95.9	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°	1139.1	26.5
0°-40°	1860.7	43.3
0°-60°	3301.4	76.8
0°-90°	4296.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4296.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1476	1476	1476	1476	1476	
5°	1470	1470	1464	1471	1471	139
15°	1407	1407	1408	1419	1421	396
25°	1287	1293	1301	1319	1324	593
35°	1120	1132	1154	1175	1183	701
45°	924	944	974	1005	1014	713
55°	709	732	775	813	827	633
65°	483	508	562	604	618	476
75°	252	284	342	385	397	265
85°	54	77	90	89	87	64
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1475.9	1475.9	1475.9	1475.9	1475.9
2.5°	1475.9	1475.9	1468.2	1475.9	1475.9
5°	1469.8	1469.8	1463.6	1471.3	1471.3
7.5°	1459.0	1460.6	1456.0	1463.6	1463.6
10°	1445.2	1446.8	1443.7	1452.9	1452.9
12.5°	1426.8	1428.3	1426.8	1437.5	1437.5
15°	1406.9	1406.9	1408.4	1419.1	1420.7
17.5°	1380.8	1383.9	1386.9	1399.2	1399.2
20°	1351.6	1356.2	1360.8	1376.2	1376.2
22.5°	1322.5	1327.1	1333.2	1348.6	1351.6
25°	1287.2	1293.3	1301.0	1319.4	1324.0
27.5°	1250.4	1255.0	1267.3	1287.2	1288.7
30°	1209.0	1216.6	1232.0	1251.9	1256.5
32.5°	1166.0	1176.7	1193.6	1216.6	1221.2
35°	1120.0	1132.2	1153.7	1175.2	1182.9
37.5°	1077.0	1086.2	1110.8	1135.3	1139.9
40°	1026.4	1040.2	1066.3	1093.9	1100.0
42.5°	975.8	991.1	1020.2	1047.9	1058.6
45°	923.6	943.5	974.2	1004.9	1014.1
47.5°	871.4	892.9	925.1	958.9	969.6
50°	820.8	840.7	876.0	911.3	922.1
52.5°	764.0	787.0	825.4	863.8	874.5
55°	708.8	731.8	774.8	813.1	826.9
57.5°	652.0	678.1	722.6	762.5	774.8
60°	595.3	622.9	670.4	710.3	725.7
62.5°	538.5	564.6	616.7	656.6	670.4
65°	483.3	507.8	561.5	604.5	618.3
67.5°	423.4	451.1	506.3	550.8	563.1
70°	365.1	392.8	451.1	497.1	509.4
72.5°	305.3	337.5	395.8	440.3	457.2
75°	251.6	283.8	342.1	385.1	397.4
77.5°	194.8	227.1	286.9	317.6	319.1
80°	139.6	176.4	227.1	239.3	245.5
82.5°	92.1	127.3	156.5	171.8	171.8
85°	53.7	76.7	90.5	89.0	87.4
87.5°	19.9	26.1	21.5	15.3	10.7
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)