

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: P701669

Luminaire Tested: **RX-WO-45LB2750-UNV-24\_3500K**

Issue Date: 8/21/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P701669  
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\_3500K  
Description: 2X4 4500 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 3500K CCT AND ROUND LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

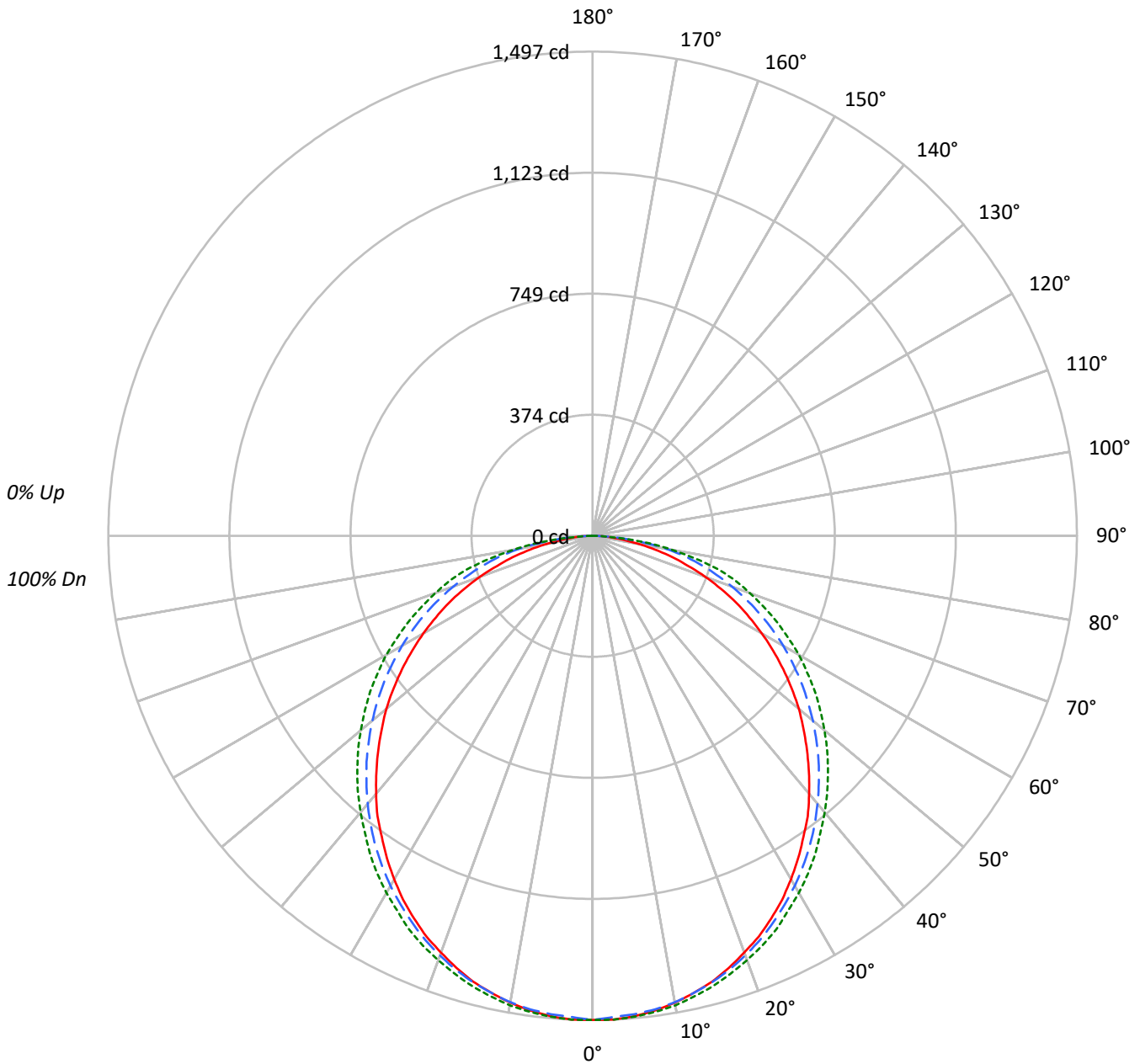
Lumens per Lamp: N/A  
Luminaire Lumens: 4358.0 lumens  
Efficiency: N/A  
Efficacy: 121.1 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')  
CIE Type: Direct

Input Watts (W): 36  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	2113	2113	2113
5°	2112	2104	2114
10°	2101	2099	2112
15°	2085	2088	2106
20°	2059	2073	2097
25°	2033	2055	2092
30°	1999	2037	2077
35°	1957	2017	2067
40°	1918	1993	2056
45°	1870	1973	2053
50°	1828	1951	2054
55°	1769	1934	2064
60°	1705	1920	2078
65°	1637	1902	2095
70°	1528	1888	2132
75°	1392	1893	2198
80°	1151	1872	2024
85°	883	1487	1436



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	141.6	3.2
10°-20°	404.2	9.3
20°-30°	609.8	14.0
30°-40°	732.1	16.8
40°-50°	761.3	17.5
50°-60°	700.2	16.1
60°-70°	558.0	12.8
70°-80°	353.6	8.1
80°-90°	97.3	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°	1155.5	26.5
0°-40°	1887.6	43.3
0°-60°	3349.1	76.8
0°-90°	4358.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4358.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1497	1497	1497	1497	1497	
5°	1491	1491	1485	1492	1492	142
15°	1427	1427	1429	1440	1441	402
25°	1306	1312	1320	1338	1343	601
35°	1136	1149	1170	1192	1200	712
45°	937	957	988	1019	1029	723
55°	719	742	786	825	839	643
65°	490	515	570	613	627	483
75°	255	288	347	391	403	269
85°	54	78	92	90	89	65
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1497.2	1497.2	1497.2	1497.2	1497.2
2.5°	1497.2	1497.2	1489.4	1497.2	1497.2
5°	1491.0	1491.0	1484.8	1492.5	1492.5
7.5°	1480.1	1481.6	1477.0	1484.8	1484.8
10°	1466.1	1467.6	1464.5	1473.9	1473.9
12.5°	1447.4	1449.0	1447.4	1458.3	1458.3
15°	1427.2	1427.2	1428.7	1439.6	1441.2
17.5°	1400.7	1403.8	1406.9	1419.4	1419.4
20°	1371.1	1375.8	1380.5	1396.0	1396.0
22.5°	1341.6	1346.2	1352.5	1368.0	1371.1
25°	1305.8	1312.0	1319.8	1338.5	1343.1
27.5°	1268.4	1273.1	1285.5	1305.8	1307.3
30°	1226.4	1234.2	1249.7	1270.0	1274.6
32.5°	1182.8	1193.7	1210.8	1234.2	1238.9
35°	1136.1	1148.6	1170.4	1192.2	1199.9
37.5°	1092.6	1101.9	1126.8	1151.7	1156.4
40°	1041.2	1055.2	1081.7	1109.7	1115.9
42.5°	989.8	1005.4	1035.0	1063.0	1073.9
45°	936.9	957.2	988.3	1019.4	1028.7
47.5°	884.0	905.8	938.5	972.7	983.6
50°	832.6	852.9	888.7	924.5	935.4
52.5°	775.1	798.4	837.3	876.2	887.1
55°	719.0	742.4	786.0	824.9	838.9
57.5°	661.4	687.9	733.0	773.5	786.0
60°	603.9	631.9	680.1	720.6	736.2
62.5°	546.3	572.7	625.7	666.1	680.1
65°	490.2	515.2	569.6	613.2	627.2
67.5°	429.6	457.6	513.6	558.7	571.2
70°	370.4	398.4	457.6	504.3	516.7
72.5°	309.7	342.4	401.5	446.7	463.8
75°	255.2	287.9	347.1	390.6	403.1
77.5°	197.7	230.3	291.0	322.2	323.7
80°	141.6	179.0	230.3	242.8	249.0
82.5°	93.4	129.2	158.7	174.3	174.3
85°	54.5	77.8	91.8	90.3	88.7
87.5°	20.2	26.5	21.8	15.6	10.9
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)