

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: P701671

Luminaire Tested: **RX-WO-45LB2750-UNV-24\_5000K**

Issue Date: 8/21/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P701671  
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\_5000K  
Description: 2X4 4500 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 5000K CCT AND ROUND LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

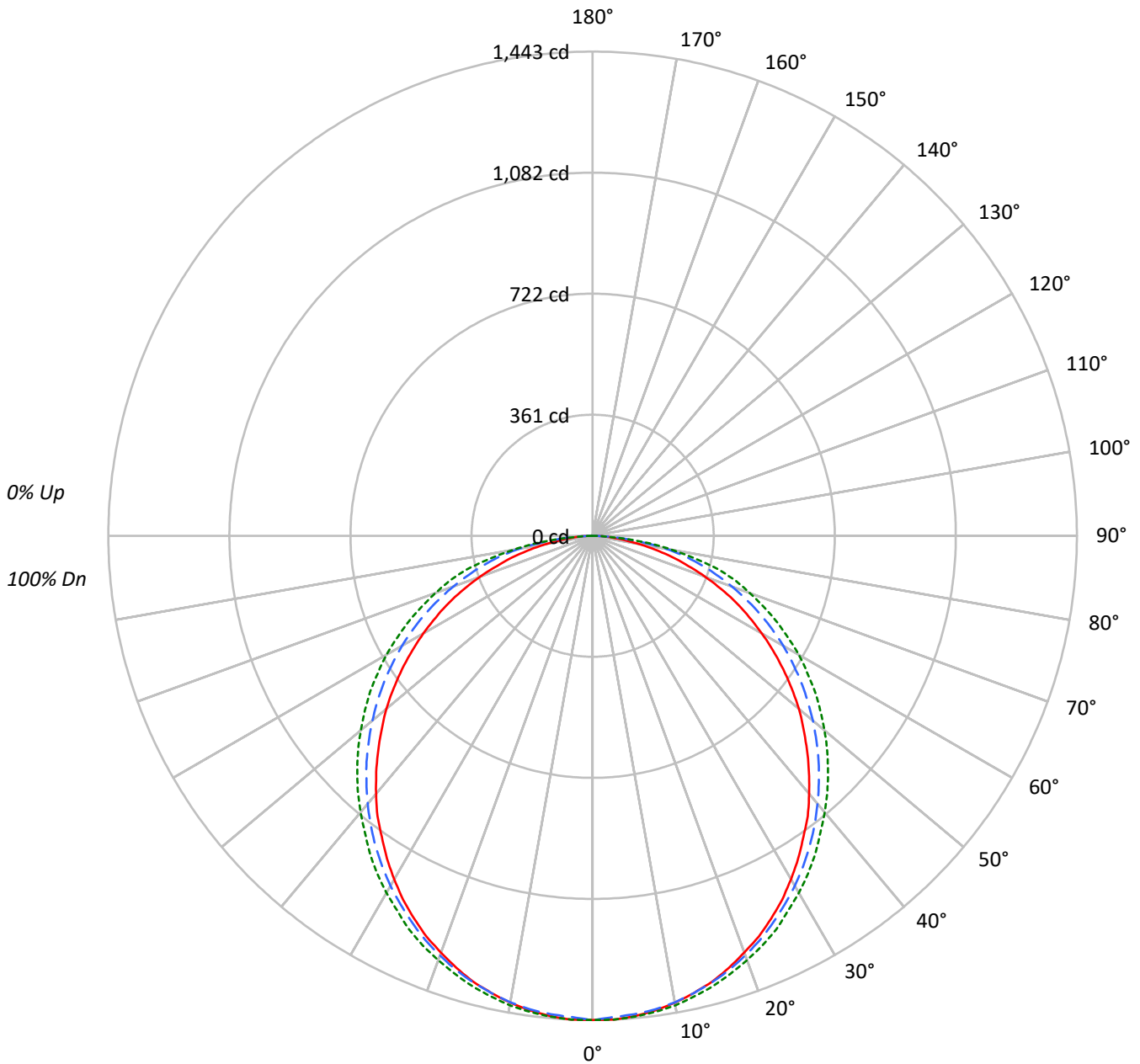
Lumens per Lamp: N/A  
Luminaire Lumens: 4201.0 lumens  
Efficiency: N/A  
Efficacy: 116.7 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')  
CIE Type: Direct

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									
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°	2037	2037	2037
5°	2036	2028	2038
10°	2025	2023	2036
15°	2010	2012	2030
20°	1985	1999	2021
25°	1960	1981	2016
30°	1927	1963	2002
35°	1887	1944	1993
40°	1849	1921	1982
45°	1803	1902	1979
50°	1762	1881	1980
55°	1705	1864	1990
60°	1643	1851	2003
65°	1578	1834	2019
70°	1474	1820	2055
75°	1341	1825	2119
80°	1109	1804	1951
85°	850	1433	1385



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	136.5	3.2
10°-20°	389.6	9.3
20°-30°	587.8	14.0
30°-40°	705.7	16.8
40°-50°	733.9	17.5
50°-60°	674.9	16.1
60°-70°	537.9	12.8
70°-80°	340.9	8.1
80°-90°	93.7	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°	1113.9	26.5
0°-40°	1819.6	43.3
0°-60°	3228.4	76.8
0°-90°	4201.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4201.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1443	1443	1443	1443	1443	
5°	1437	1437	1431	1439	1439	136
15°	1376	1376	1377	1388	1389	388
25°	1259	1265	1272	1290	1295	580
35°	1095	1107	1128	1149	1157	686
45°	903	923	953	983	992	697
55°	693	716	758	795	809	619
65°	473	497	549	591	605	466
75°	246	278	335	377	389	259
85°	52	75	88	87	86	63
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1443.3	1443.3	1443.3	1443.3	1443.3
2.5°	1443.3	1443.3	1435.8	1443.3	1443.3
5°	1437.3	1437.3	1431.3	1438.8	1438.8
7.5°	1426.8	1428.3	1423.8	1431.3	1431.3
10°	1413.3	1414.8	1411.8	1420.8	1420.8
12.5°	1395.3	1396.8	1395.3	1405.8	1405.8
15°	1375.8	1375.8	1377.3	1387.8	1389.3
17.5°	1350.2	1353.2	1356.3	1368.3	1368.3
20°	1321.7	1326.2	1330.7	1345.7	1345.7
22.5°	1293.2	1297.7	1303.7	1318.7	1321.7
25°	1258.7	1264.7	1272.2	1290.2	1294.7
27.5°	1222.7	1227.2	1239.2	1258.7	1260.2
30°	1182.2	1189.7	1204.7	1224.2	1228.7
32.5°	1140.2	1150.7	1167.2	1189.7	1194.2
35°	1095.2	1107.2	1128.2	1149.2	1156.7
37.5°	1053.2	1062.2	1086.2	1110.2	1114.7
40°	1003.7	1017.2	1042.7	1069.7	1075.7
42.5°	954.2	969.2	997.7	1024.7	1035.2
45°	903.2	922.7	952.7	982.7	991.7
47.5°	852.2	873.2	904.7	937.7	948.2
50°	802.6	822.2	856.7	891.2	901.7
52.5°	747.1	769.6	807.1	844.7	855.2
55°	693.1	715.6	757.6	795.1	808.6
57.5°	637.6	663.1	706.6	745.6	757.6
60°	582.1	609.1	655.6	694.6	709.6
62.5°	526.6	552.1	603.1	642.1	655.6
65°	472.6	496.6	549.1	591.1	604.6
67.5°	414.1	441.1	495.1	538.6	550.6
70°	357.1	384.1	441.1	486.1	498.1
72.5°	298.6	330.1	387.1	430.6	447.1
75°	246.0	277.6	334.6	376.6	388.6
77.5°	190.5	222.0	280.6	310.6	312.1
80°	136.5	172.5	222.0	234.0	240.0
82.5°	90.0	124.5	153.0	168.0	168.0
85°	52.5	75.0	88.5	87.0	85.5
87.5°	19.5	25.5	21.0	15.0	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)