

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: P701668

Luminaire Tested: **RX-WO-45LB2750-UNV-24_3000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701668
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_3000K
Description: 2X4 4500 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 3000K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

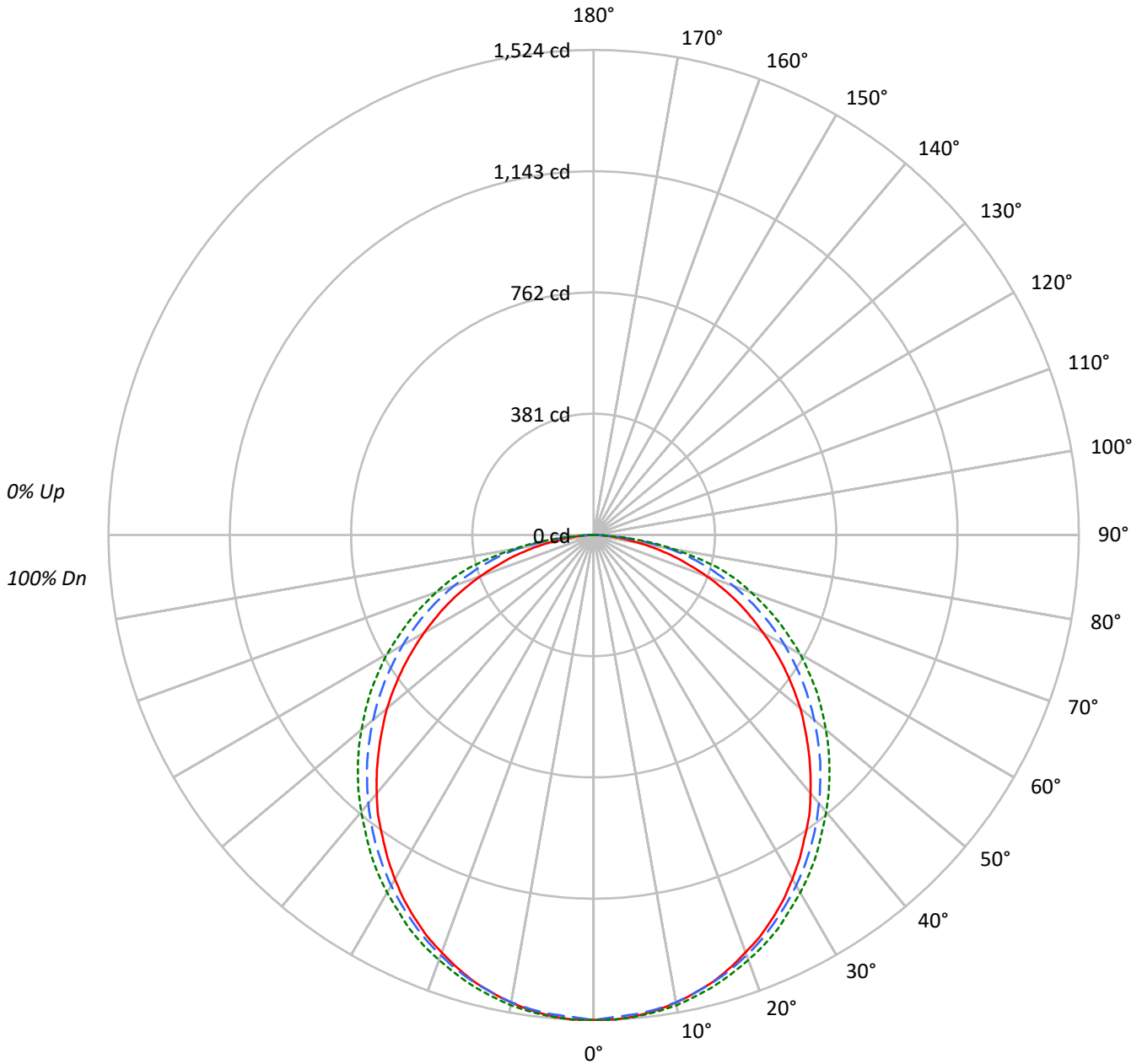
Lumens per Lamp: N/A
Luminaire Lumens: 4437.0 lumens
Efficiency: N/A
Efficacy: 123.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

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°	2151	2151	2151
5°	2151	2142	2153
10°	2139	2137	2151
15°	2123	2125	2144
20°	2097	2111	2135
25°	2070	2092	2130
30°	2035	2074	2115
35°	1993	2053	2105
40°	1953	2029	2093
45°	1904	2008	2091
50°	1861	1987	2091
55°	1801	1969	2102
60°	1735	1955	2116
65°	1667	1937	2133
70°	1556	1923	2171
75°	1417	1927	2238
80°	1172	1906	2060
85°	899	1514	1462



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.1	3.2
10°-20°	411.5	9.3
20°-30°	620.8	14.0
30°-40°	745.3	16.8
40°-50°	775.1	17.5
50°-60°	712.9	16.1
60°-70°	568.2	12.8
70°-80°	360.0	8.1
80°-90°	99.0	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°	1176.5	26.5
0°-40°	1921.8	43.3
0°-60°	3409.8	76.8
0°-90°	4437.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4437.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1524	1524	1524	1524	1524	
5°	1518	1518	1512	1520	1520	144
15°	1453	1453	1455	1466	1467	409
25°	1329	1336	1344	1363	1368	612
35°	1157	1169	1192	1214	1222	725
45°	954	974	1006	1038	1047	736
55°	732	756	800	840	854	654
65°	499	524	580	624	639	492
75°	260	293	353	398	410	273
85°	56	79	94	92	90	66
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1524.3	1524.3	1524.3	1524.3	1524.3
2.5°	1524.3	1524.3	1516.4	1524.3	1524.3
5°	1518.0	1518.0	1511.7	1519.6	1519.6
7.5°	1506.9	1508.5	1503.7	1511.7	1511.7
10°	1492.7	1494.2	1491.1	1500.6	1500.6
12.5°	1473.6	1475.2	1473.6	1484.7	1484.7
15°	1453.0	1453.0	1454.6	1465.7	1467.3
17.5°	1426.1	1429.3	1432.4	1445.1	1445.1
20°	1396.0	1400.7	1405.5	1421.3	1421.3
22.5°	1365.9	1370.6	1377.0	1392.8	1396.0
25°	1329.4	1335.8	1343.7	1362.7	1367.5
27.5°	1291.4	1296.2	1308.8	1329.4	1331.0
30°	1248.6	1256.6	1272.4	1293.0	1297.8
32.5°	1204.3	1215.4	1232.8	1256.6	1261.3
35°	1156.7	1169.4	1191.6	1213.8	1221.7
37.5°	1112.4	1121.9	1147.2	1172.6	1177.3
40°	1060.1	1074.3	1101.3	1129.8	1136.1
42.5°	1007.8	1023.6	1053.7	1082.3	1093.3
45°	953.9	974.5	1006.2	1037.9	1047.4
47.5°	900.0	922.2	955.5	990.3	1001.4
50°	847.7	868.3	904.8	941.2	952.3
52.5°	789.1	812.9	852.5	892.1	903.2
55°	732.1	755.8	800.2	839.8	854.1
57.5°	673.4	700.4	746.3	787.5	800.2
60°	614.8	643.3	692.5	733.7	749.5
62.5°	556.2	583.1	637.0	678.2	692.5
65°	499.1	524.5	579.9	624.3	638.6
67.5°	437.3	465.9	522.9	568.9	581.5
70°	377.1	405.6	465.9	513.4	526.1
72.5°	315.3	348.6	408.8	454.8	472.2
75°	259.9	293.1	353.4	397.7	410.4
77.5°	201.2	234.5	296.3	328.0	329.6
80°	144.2	182.2	234.5	247.2	253.5
82.5°	95.1	131.5	161.6	177.5	177.5
85°	55.5	79.2	93.5	91.9	90.3
87.5°	20.6	26.9	22.2	15.8	11.1
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)