

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: P701667

Luminaire Tested: **RX-WO-45LB2750-UNV-24_2700K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701667
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_2700K
Description: 2X4 4500 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 2700K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

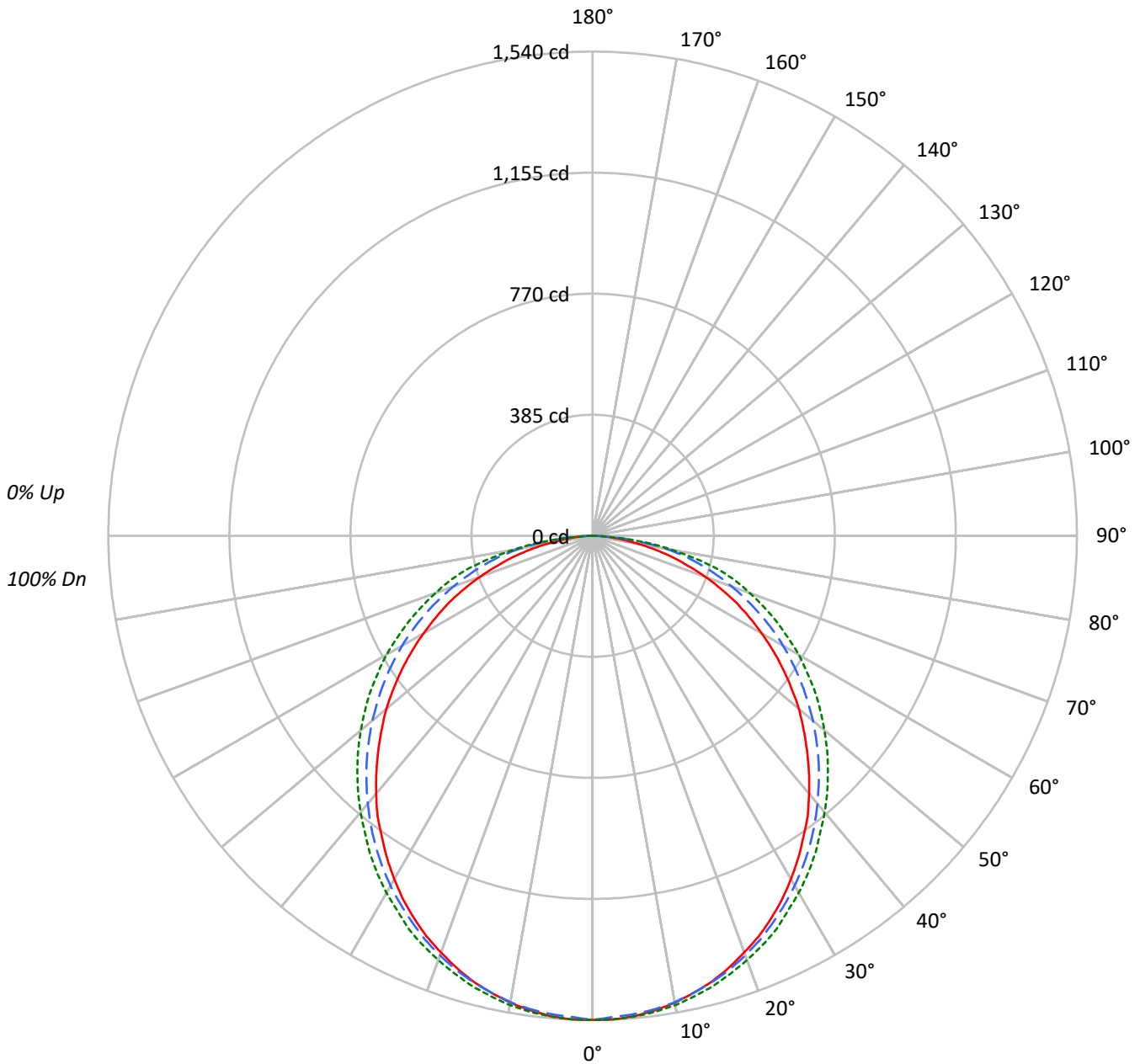
Lumens per Lamp: N/A
Luminaire Lumens: 4482.0 lumens
Efficiency: N/A
Efficacy: 124.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

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									
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°	2173	2173	2173
5°	2172	2163	2175
10°	2161	2159	2172
15°	2145	2147	2166
20°	2118	2132	2156
25°	2091	2114	2151
30°	2056	2095	2136
35°	2013	2074	2126
40°	1973	2049	2114
45°	1923	2029	2112
50°	1880	2007	2112
55°	1820	1989	2123
60°	1753	1974	2137
65°	1684	1956	2154
70°	1572	1942	2193
75°	1431	1946	2261
80°	1184	1925	2081
85°	907	1529	1477



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.6	3.2
10°-20°	415.7	9.3
20°-30°	627.1	14.0
30°-40°	752.9	16.8
40°-50°	783.0	17.5
50°-60°	720.1	16.1
60°-70°	573.9	12.8
70°-80°	363.7	8.1
80°-90°	100.0	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°	1188.4	26.5
0°-40°	1941.3	43.3
0°-60°	3444.4	76.8
0°-90°	4482.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4482.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1540	1540	1540	1540	1540	
5°	1533	1533	1527	1535	1535	146
15°	1468	1468	1469	1481	1482	414
25°	1343	1349	1357	1376	1381	619
35°	1168	1181	1204	1226	1234	732
45°	964	984	1016	1048	1058	744
55°	740	764	808	848	863	661
65°	504	530	586	631	645	497
75°	262	296	357	402	415	276
85°	56	80	94	93	91	67
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1539.8	1539.8	1539.8	1539.8	1539.8
2.5°	1539.8	1539.8	1531.8	1539.8	1539.8
5°	1533.4	1533.4	1527.0	1535.0	1535.0
7.5°	1522.2	1523.8	1519.0	1527.0	1527.0
10°	1507.8	1509.4	1506.2	1515.8	1515.8
12.5°	1488.6	1490.2	1488.6	1499.8	1499.8
15°	1467.8	1467.8	1469.4	1480.6	1482.2
17.5°	1440.6	1443.8	1447.0	1459.8	1459.8
20°	1410.2	1415.0	1419.8	1435.8	1435.8
22.5°	1379.7	1384.5	1390.9	1407.0	1410.2
25°	1342.9	1349.3	1357.3	1376.5	1381.3
27.5°	1304.5	1309.3	1322.1	1342.9	1344.5
30°	1261.3	1269.3	1285.3	1306.1	1310.9
32.5°	1216.5	1227.7	1245.3	1269.3	1274.1
35°	1168.5	1181.3	1203.7	1226.1	1234.1
37.5°	1123.6	1133.2	1158.9	1184.5	1189.3
40°	1070.8	1085.2	1112.4	1141.2	1147.7
42.5°	1018.0	1034.0	1064.4	1093.2	1104.4
45°	963.6	984.4	1016.4	1048.4	1058.0
47.5°	909.2	931.6	965.2	1000.4	1011.6
50°	856.3	877.1	914.0	950.8	962.0
52.5°	797.1	821.1	861.1	901.2	912.4
55°	739.5	763.5	808.3	848.3	862.7
57.5°	680.3	707.5	753.9	795.5	808.3
60°	621.0	649.9	699.5	741.1	757.1
62.5°	561.8	589.0	643.5	685.1	699.5
65°	504.2	529.8	585.8	630.6	645.1
67.5°	441.8	470.6	528.2	574.6	587.4
70°	380.9	409.8	470.6	518.6	531.4
72.5°	318.5	352.1	413.0	459.4	477.0
75°	262.5	296.1	356.9	401.8	414.6
77.5°	203.3	236.9	299.3	331.3	332.9
80°	145.7	184.1	236.9	249.7	256.1
82.5°	96.0	132.9	163.3	179.3	179.3
85°	56.0	80.0	94.4	92.8	91.2
87.5°	20.8	27.2	22.4	16.0	11.2
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)