

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: P701662

Luminaire Tested: **RX-WO-45HB2750-UNV-24_2700K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701662
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-45HB2750-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

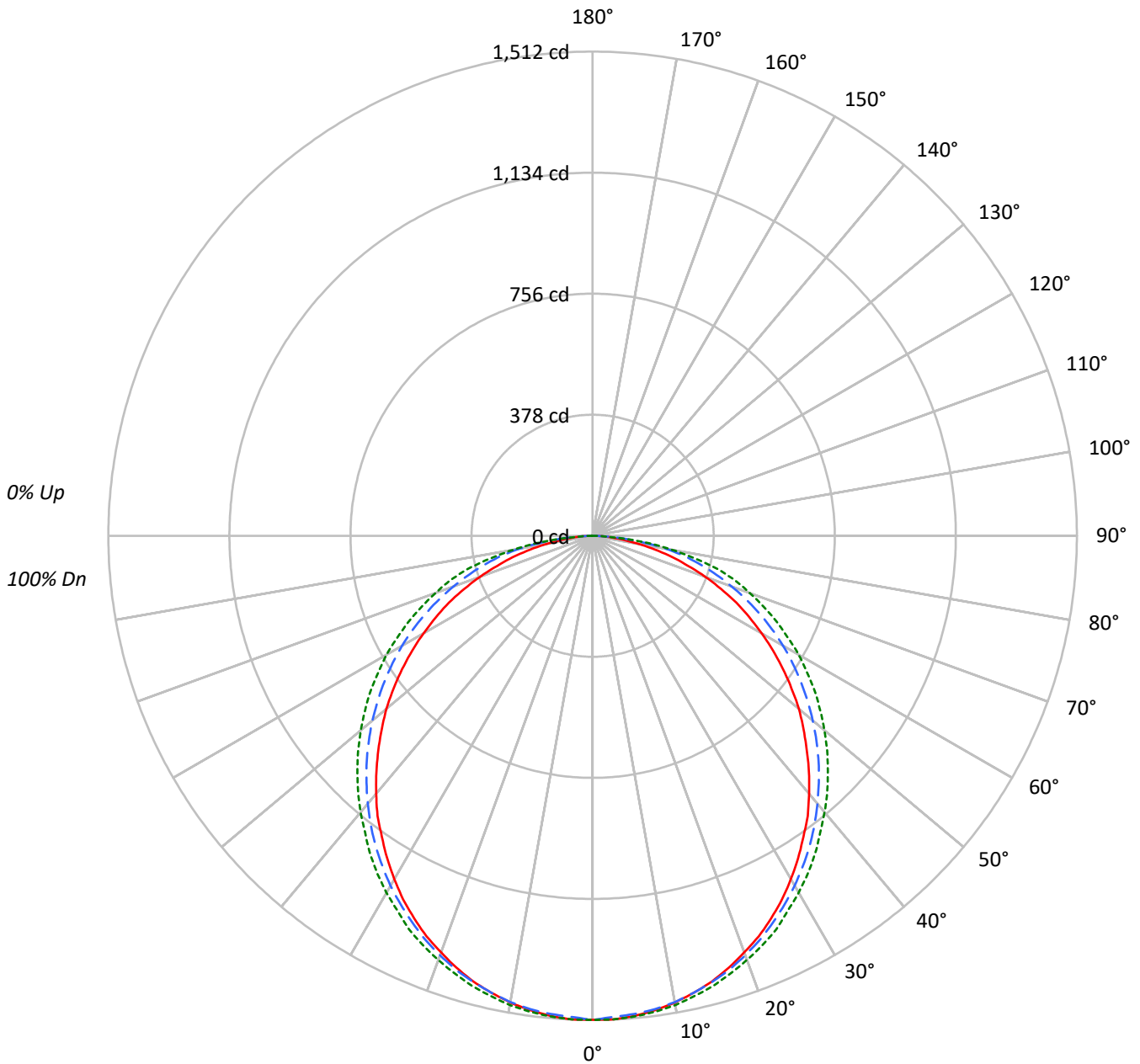
Lumens per Lamp: N/A
Luminaire Lumens: 4400.0 lumens
Efficiency: N/A
Efficacy: 133.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 33
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°	2133	2133	2133
5°	2133	2124	2135
10°	2121	2119	2133
15°	2105	2108	2126
20°	2079	2093	2117
25°	2053	2075	2112
30°	2018	2056	2097
35°	1976	2036	2087
40°	1937	2012	2076
45°	1888	1992	2073
50°	1846	1970	2074
55°	1786	1952	2084
60°	1721	1938	2098
65°	1653	1921	2115
70°	1543	1906	2153
75°	1405	1911	2219
80°	1162	1890	2043
85°	891	1501	1451



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.9	3.2
10°-20°	408.1	9.3
20°-30°	615.6	14.0
30°-40°	739.1	16.8
40°-50°	768.7	17.5
50°-60°	706.9	16.1
60°-70°	563.4	12.8
70°-80°	357.0	8.1
80°-90°	98.2	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°	1166.7	26.5
0°-40°	1905.8	43.3
0°-60°	3381.4	76.8
0°-90°	4400.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4400.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1512	1512	1512	1512	1512	
5°	1505	1505	1499	1507	1507	143
15°	1441	1441	1442	1454	1455	406
25°	1318	1325	1332	1351	1356	607
35°	1147	1160	1182	1204	1212	718
45°	946	966	998	1029	1039	730
55°	726	750	794	833	847	649
65°	495	520	575	619	633	488
75°	258	291	350	394	407	271
85°	55	79	93	91	90	66
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1511.6	1511.6	1511.6	1511.6	1511.6
2.5°	1511.6	1511.6	1503.8	1511.6	1511.6
5°	1505.3	1505.3	1499.1	1506.9	1506.9
7.5°	1494.3	1495.9	1491.2	1499.1	1499.1
10°	1480.2	1481.8	1478.6	1488.1	1488.1
12.5°	1461.4	1462.9	1461.4	1472.3	1472.3
15°	1440.9	1440.9	1442.5	1453.5	1455.1
17.5°	1414.2	1417.4	1420.5	1433.1	1433.1
20°	1384.4	1389.1	1393.8	1409.5	1409.5
22.5°	1354.5	1359.2	1365.5	1381.2	1384.4
25°	1318.4	1324.6	1332.5	1351.4	1356.1
27.5°	1280.6	1285.4	1297.9	1318.4	1319.9
30°	1238.2	1246.1	1261.8	1282.2	1286.9
32.5°	1194.2	1205.2	1222.5	1246.1	1250.8
35°	1147.1	1159.7	1181.7	1203.6	1211.5
37.5°	1103.1	1112.5	1137.7	1162.8	1167.5
40°	1051.2	1065.4	1092.1	1120.4	1126.7
42.5°	999.4	1015.1	1044.9	1073.2	1084.2
45°	945.9	966.4	997.8	1029.2	1038.7
47.5°	892.5	914.5	947.5	982.1	993.1
50°	840.7	861.1	897.2	933.4	944.4
52.5°	782.5	806.1	845.4	884.7	895.7
55°	726.0	749.5	793.5	832.8	847.0
57.5°	667.8	694.5	740.1	781.0	793.5
60°	609.7	638.0	686.7	727.5	743.2
62.5°	551.5	578.3	631.7	672.5	686.7
65°	495.0	520.1	575.1	619.1	633.3
67.5°	433.7	462.0	518.5	564.1	576.7
70°	374.0	402.3	462.0	509.1	521.7
72.5°	312.7	345.7	405.4	451.0	468.3
75°	257.7	290.7	350.4	394.4	407.0
77.5°	199.6	232.6	293.8	325.3	326.8
80°	143.0	180.7	232.6	245.1	251.4
82.5°	94.3	130.4	160.3	176.0	176.0
85°	55.0	78.6	92.7	91.1	89.6
87.5°	20.4	26.7	22.0	15.7	11.0
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)