

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: P701672

Luminaire Tested: **RX-WO-50HB2750-UNV-24_2700K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701672
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-50HB2750-UNV-24_2700K
Description: 2X4 5000 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 2700K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

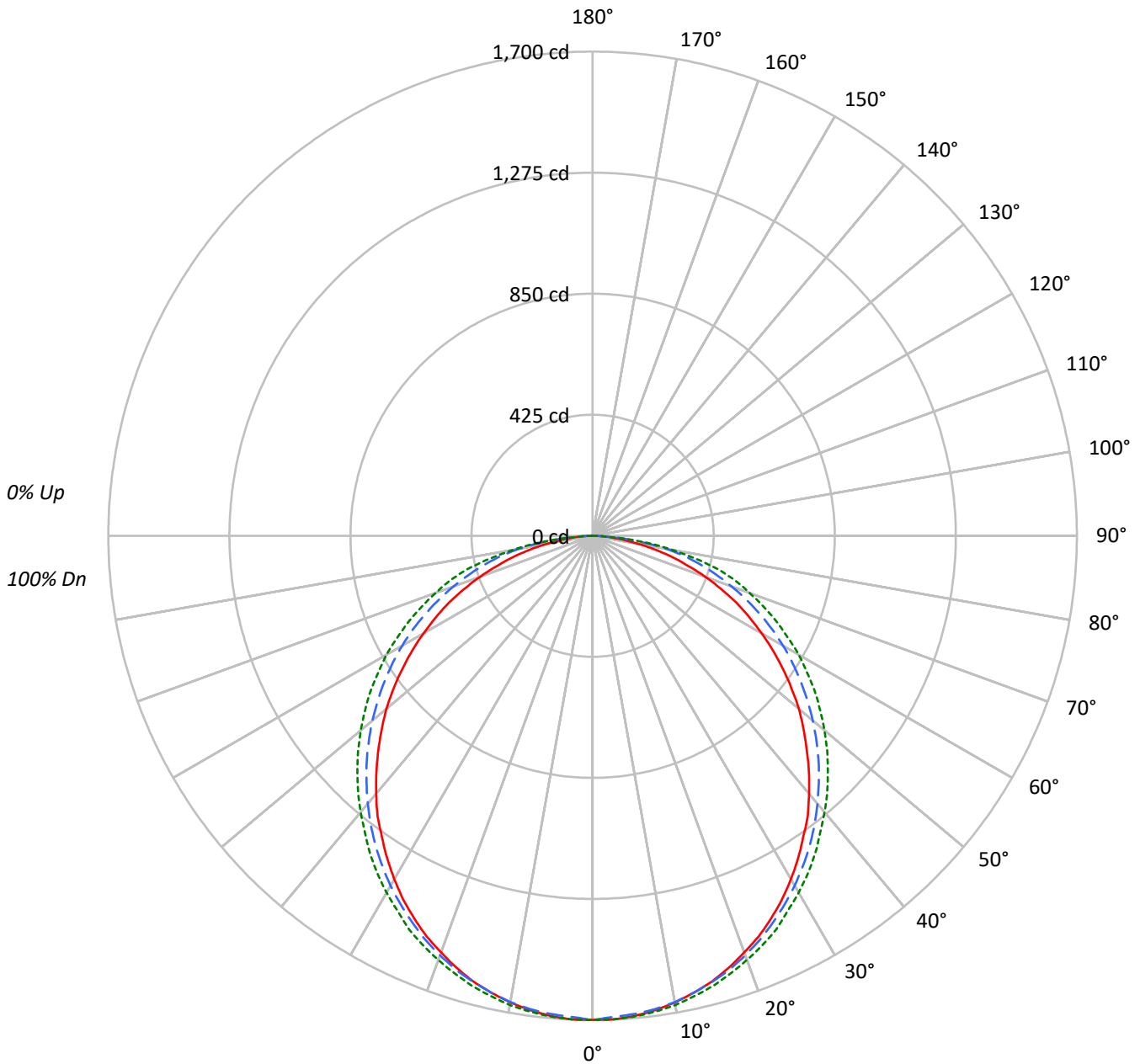
Lumens per Lamp: N/A
Luminaire Lumens: 4947.0 lumens
Efficiency: N/A
Efficacy: 133.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 37
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°	2399	2399	2399
5°	2398	2388	2400
10°	2385	2383	2398
15°	2367	2370	2390
20°	2338	2354	2380
25°	2308	2333	2374
30°	2269	2312	2358
35°	2222	2289	2347
40°	2178	2262	2334
45°	2123	2239	2331
50°	2075	2215	2331
55°	2008	2195	2343
60°	1935	2179	2359
65°	1858	2159	2378
70°	1735	2143	2420
75°	1580	2148	2495
80°	1307	2125	2298
85°	1001	1687	1631



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.7	3.2
10°-20°	458.8	9.3
20°-30°	692.2	14.0
30°-40°	831.0	16.8
40°-50°	864.2	17.5
50°-60°	794.8	16.1
60°-70°	633.5	12.8
70°-80°	401.4	8.1
80°-90°	110.4	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°	1311.7	26.5
0°-40°	2142.7	43.3
0°-60°	3801.7	76.8
0°-90°	4947.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4947.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1700	1700	1700	1700	1700	
5°	1692	1692	1685	1694	1694	161
15°	1620	1620	1622	1634	1636	456
25°	1482	1489	1498	1519	1525	683
35°	1290	1304	1329	1353	1362	808
45°	1064	1086	1122	1157	1168	821
55°	816	843	892	936	952	729
65°	556	585	647	696	712	549
75°	290	327	394	443	458	305
85°	62	88	104	102	101	74
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1699.6	1699.6	1699.6	1699.6	1699.6
2.5°	1699.6	1699.6	1690.7	1699.6	1699.6
5°	1692.5	1692.5	1685.4	1694.3	1694.3
7.5°	1680.1	1681.9	1676.6	1685.4	1685.4
10°	1664.2	1666.0	1662.5	1673.1	1673.1
12.5°	1643.0	1644.8	1643.0	1655.4	1655.4
15°	1620.1	1620.1	1621.8	1634.2	1636.0
17.5°	1590.0	1593.6	1597.1	1611.2	1611.2
20°	1556.5	1561.8	1567.1	1584.7	1584.7
22.5°	1522.9	1528.2	1535.3	1552.9	1556.5
25°	1482.3	1489.3	1498.2	1519.4	1524.7
27.5°	1439.9	1445.2	1459.3	1482.3	1484.0
30°	1392.2	1401.0	1418.7	1441.6	1446.9
32.5°	1342.7	1355.1	1374.5	1401.0	1406.3
35°	1289.7	1303.8	1328.6	1353.3	1362.1
37.5°	1240.2	1250.8	1279.1	1307.4	1312.7
40°	1181.9	1197.8	1227.9	1259.7	1266.7
42.5°	1123.6	1141.3	1174.8	1206.6	1219.0
45°	1063.5	1086.5	1121.8	1157.2	1167.8
47.5°	1003.5	1028.2	1065.3	1104.2	1116.5
50°	945.2	968.1	1008.8	1049.4	1061.8
52.5°	879.8	906.3	950.5	994.6	1007.0
55°	816.2	842.7	892.2	936.3	952.2
57.5°	750.8	780.9	832.1	878.0	892.2
60°	685.5	717.3	772.0	818.0	835.6
62.5°	620.1	650.1	710.2	756.1	772.0
65°	556.5	584.8	646.6	696.1	712.0
67.5°	487.6	519.4	583.0	634.2	648.4
70°	420.5	452.3	519.4	572.4	586.5
72.5°	351.6	388.7	455.8	507.0	526.5
75°	289.7	326.8	394.0	443.4	457.6
77.5°	224.4	261.5	330.4	365.7	367.5
80°	160.8	203.2	261.5	275.6	282.7
82.5°	106.0	146.6	180.2	197.9	197.9
85°	61.8	88.3	104.2	102.5	100.7
87.5°	23.0	30.0	24.7	17.7	12.4
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)