

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: P701673

Luminaire Tested: **RX-WO-50HB2750-UNV-24_3000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701673
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_3000K
Description: 2X4 5000 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 3000K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

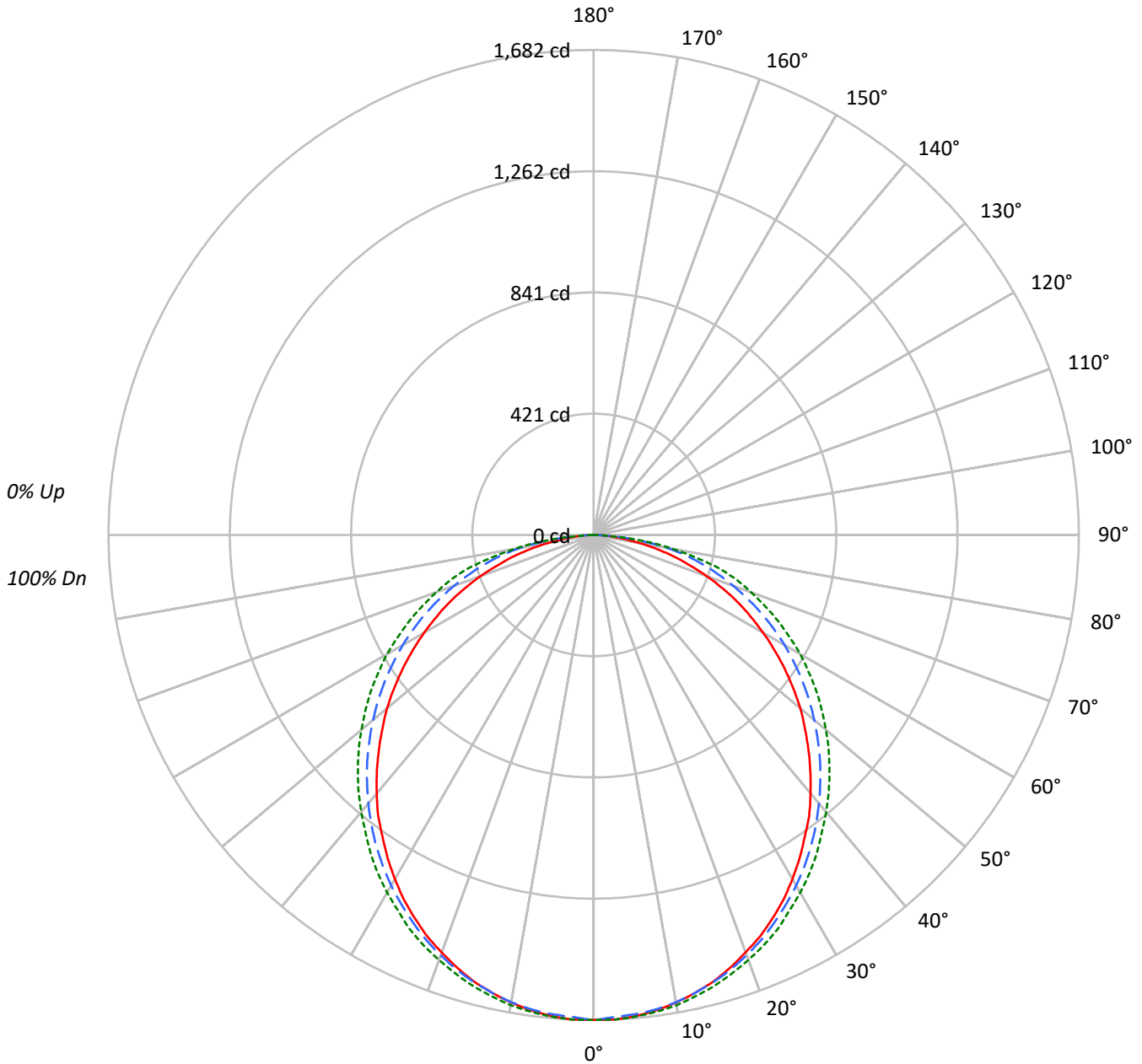
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4897.0 lumens
Efficiency: N/A
Efficacy: 132.4 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				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°	2374	2374	2374
5°	2374	2364	2376
10°	2361	2358	2373
15°	2343	2346	2366
20°	2314	2330	2356
25°	2285	2309	2350
30°	2246	2289	2334
35°	2199	2266	2323
40°	2156	2239	2310
45°	2101	2216	2307
50°	2054	2193	2308
55°	1988	2173	2319
60°	1915	2157	2335
65°	1840	2138	2354
70°	1717	2122	2396
75°	1564	2127	2470
80°	1293	2103	2274
85°	991	1671	1614



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.1	3.2
10°-20°	454.2	9.3
20°-30°	685.2	14.0
30°-40°	822.6	16.8
40°-50°	855.5	17.5
50°-60°	786.8	16.1
60°-70°	627.1	12.8
70°-80°	397.3	8.1
80°-90°	109.3	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°	1298.4	26.5
0°-40°	2121.0	43.3
0°-60°	3763.3	76.8
0°-90°	4897.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4897.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1682	1682	1682	1682	1682	
5°	1675	1675	1668	1677	1677	159
15°	1604	1604	1605	1618	1619	452
25°	1467	1474	1483	1504	1509	676
35°	1277	1291	1315	1340	1348	800
45°	1053	1076	1110	1146	1156	813
55°	808	834	883	927	943	722
65°	551	579	640	689	705	543
75°	287	324	390	439	453	302
85°	61	87	103	101	100	73
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1682.4	1682.4	1682.4	1682.4	1682.4
2.5°	1682.4	1682.4	1673.6	1682.4	1682.4
5°	1675.4	1675.4	1668.4	1677.1	1677.1
7.5°	1663.1	1664.9	1659.6	1668.4	1668.4
10°	1647.4	1649.2	1645.7	1656.1	1656.1
12.5°	1626.4	1628.2	1626.4	1638.7	1638.7
15°	1603.7	1603.7	1605.4	1617.7	1619.4
17.5°	1574.0	1577.4	1580.9	1594.9	1594.9
20°	1540.7	1546.0	1551.2	1568.7	1568.7
22.5°	1507.5	1512.7	1519.7	1537.2	1540.7
25°	1467.3	1474.3	1483.0	1504.0	1509.2
27.5°	1425.3	1430.5	1444.5	1467.3	1469.0
30°	1378.1	1386.8	1404.3	1427.0	1432.3
32.5°	1329.1	1341.4	1360.6	1386.8	1392.1
35°	1276.6	1290.6	1315.1	1339.6	1348.4
37.5°	1227.7	1238.2	1266.2	1294.1	1299.4
40°	1170.0	1185.7	1215.4	1246.9	1253.9
42.5°	1112.3	1129.7	1163.0	1194.5	1206.7
45°	1052.8	1075.5	1110.5	1145.5	1156.0
47.5°	993.3	1017.8	1054.5	1093.0	1105.3
50°	935.6	958.4	998.6	1038.8	1051.0
52.5°	870.9	897.2	940.9	984.6	996.8
55°	808.0	834.2	883.2	926.9	942.6
57.5°	743.3	773.0	823.7	869.2	883.2
60°	678.5	710.0	764.2	809.7	827.2
62.5°	613.8	643.6	703.0	748.5	764.2
65°	550.9	578.9	640.1	689.0	704.8
67.5°	482.7	514.2	577.1	627.8	641.8
70°	416.2	447.7	514.2	566.6	580.6
72.5°	348.0	384.7	451.2	501.9	521.2
75°	286.8	323.5	390.0	439.0	452.9
77.5°	222.1	258.8	327.0	362.0	363.8
80°	159.1	201.1	258.8	272.8	279.8
82.5°	104.9	145.2	178.4	195.9	195.9
85°	61.2	87.4	103.2	101.4	99.7
87.5°	22.7	29.7	24.5	17.5	12.2
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)