

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: P701675

Luminaire Tested: **RX-WO-50HB2750-UNV-24_4000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701675
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_4000K
Description: 2X4 5000 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 4000K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

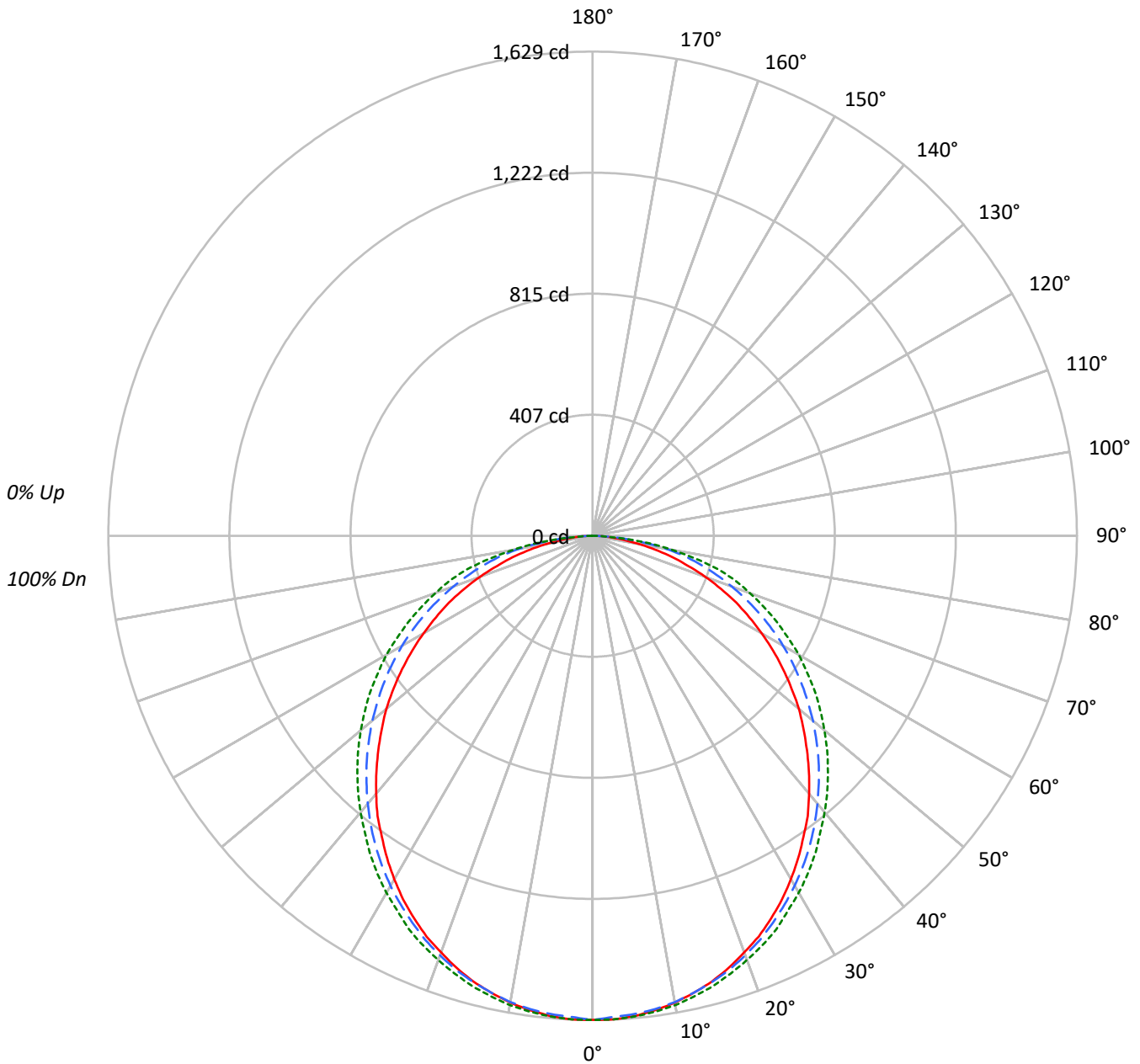
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4741.0 lumens
Efficiency: N/A
Efficacy: 128.1 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°	2299	2299	2299
5°	2298	2288	2300
10°	2286	2283	2298
15°	2269	2271	2291
20°	2240	2256	2281
25°	2212	2236	2275
30°	2174	2216	2260
35°	2130	2194	2249
40°	2087	2168	2237
45°	2034	2146	2234
50°	1989	2123	2234
55°	1925	2104	2246
60°	1854	2089	2260
65°	1781	2069	2279
70°	1663	2054	2319
75°	1514	2059	2391
80°	1252	2037	2202
85°	960	1618	1563



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.0	3.2
10°-20°	439.7	9.3
20°-30°	663.3	14.0
30°-40°	796.4	16.8
40°-50°	828.2	17.5
50°-60°	761.7	16.1
60°-70°	607.1	12.8
70°-80°	384.7	8.1
80°-90°	105.8	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°	1257.1	26.5
0°-40°	2053.5	43.3
0°-60°	3643.4	76.8
0°-90°	4741.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4741.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1629	1629	1629	1629	1629	
5°	1622	1622	1615	1624	1624	154
15°	1553	1553	1554	1566	1568	437
25°	1420	1427	1436	1456	1461	654
35°	1236	1250	1273	1297	1305	774
45°	1019	1041	1075	1109	1119	787
55°	782	808	855	897	913	699
65°	533	560	620	667	682	526
75°	278	313	378	425	438	292
85°	59	85	100	98	96	71
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1628.8	1628.8	1628.8	1628.8	1628.8
2.5°	1628.8	1628.8	1620.3	1628.8	1628.8
5°	1622.0	1622.0	1615.2	1623.7	1623.7
7.5°	1610.2	1611.9	1606.8	1615.2	1615.2
10°	1594.9	1596.6	1593.2	1603.4	1603.4
12.5°	1574.6	1576.3	1574.6	1586.5	1586.5
15°	1552.6	1552.6	1554.3	1566.1	1567.8
17.5°	1523.8	1527.2	1530.6	1544.1	1544.1
20°	1491.6	1496.7	1501.8	1518.7	1518.7
22.5°	1459.5	1464.6	1471.3	1488.3	1491.6
25°	1420.5	1427.3	1435.8	1456.1	1461.2
27.5°	1379.9	1385.0	1398.5	1420.5	1422.2
30°	1334.2	1342.6	1359.6	1381.6	1386.7
32.5°	1286.8	1298.6	1317.3	1342.6	1347.7
35°	1236.0	1249.5	1273.2	1296.9	1305.4
37.5°	1188.6	1198.7	1225.8	1252.9	1258.0
40°	1132.7	1147.9	1176.7	1207.2	1214.0
42.5°	1076.8	1093.8	1125.9	1156.4	1168.3
45°	1019.3	1041.3	1075.1	1109.0	1119.2
47.5°	961.7	985.4	1021.0	1058.2	1070.1
50°	905.8	927.8	966.8	1005.7	1017.6
52.5°	843.2	868.6	910.9	953.2	965.1
55°	782.2	807.6	855.0	897.4	912.6
57.5°	719.6	748.4	797.5	841.5	855.0
60°	656.9	687.4	739.9	783.9	800.8
62.5°	594.3	623.1	680.6	724.7	739.9
65°	533.3	560.4	619.7	667.1	682.3
67.5°	467.3	497.8	558.7	607.8	621.4
70°	403.0	433.4	497.8	548.6	562.1
72.5°	336.9	372.5	436.8	485.9	504.6
75°	277.7	313.2	377.6	425.0	438.5
77.5°	215.0	250.6	316.6	350.5	352.2
80°	154.1	194.7	250.6	264.1	270.9
82.5°	101.6	140.5	172.7	189.6	189.6
85°	59.3	84.7	99.9	98.2	96.5
87.5°	22.0	28.8	23.7	16.9	11.9
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)