

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: P701676

Luminaire Tested: **RX-WO-50HB2750-UNV-24_5000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701676
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_5000K
Description: 2X4 5000 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 5000K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

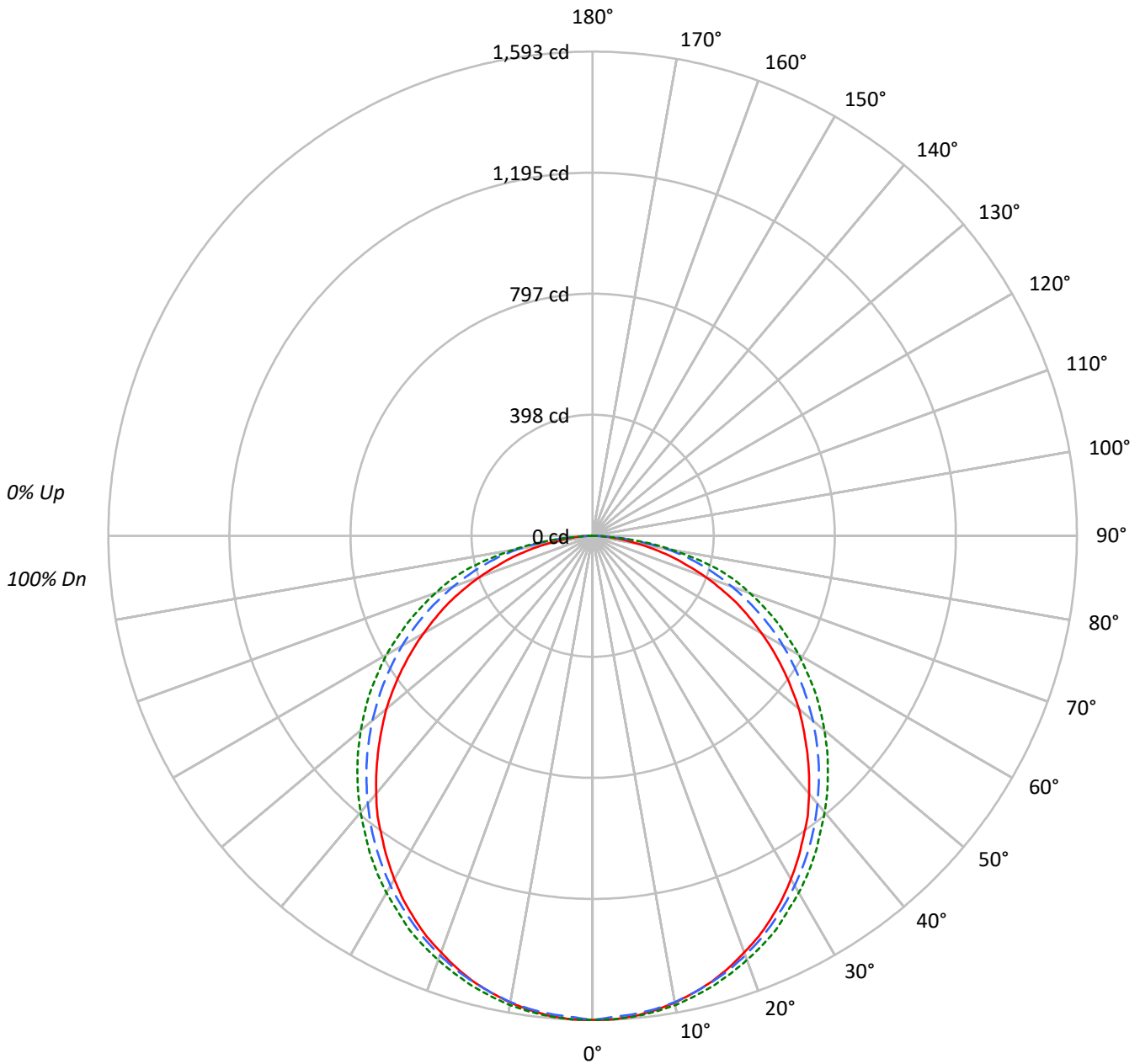
Lumens per Lamp: N/A
Luminaire Lumens: 4636.0 lumens
Efficiency: N/A
Efficacy: 125.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	2248	2248	2248
5°	2247	2238	2249
10°	2235	2233	2247
15°	2218	2221	2240
20°	2191	2206	2230
25°	2163	2186	2225
30°	2126	2167	2210
35°	2082	2145	2199
40°	2041	2120	2187
45°	1989	2098	2184
50°	1945	2076	2185
55°	1882	2057	2196
60°	1813	2042	2210
65°	1742	2024	2228
70°	1626	2009	2268
75°	1480	2013	2338
80°	1225	1991	2153
85°	938	1582	1529



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.6	3.2
10°-20°	430.0	9.3
20°-30°	648.6	14.0
30°-40°	778.8	16.8
40°-50°	809.9	17.5
50°-60°	744.9	16.1
60°-70°	593.6	12.8
70°-80°	376.2	8.1
80°-90°	103.5	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°	1229.2	26.5
0°-40°	2008.0	43.3
0°-60°	3562.7	76.8
0°-90°	4636.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4636.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1593	1593	1593	1593	1593	
5°	1586	1586	1580	1588	1588	151
15°	1518	1518	1520	1532	1533	428
25°	1389	1396	1404	1424	1429	640
35°	1209	1222	1245	1268	1276	757
45°	997	1018	1051	1084	1094	770
55°	765	790	836	878	892	684
65°	522	548	606	652	667	514
75°	272	306	369	416	429	286
85°	58	83	98	96	94	69
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1592.7	1592.7	1592.7	1592.7	1592.7
2.5°	1592.7	1592.7	1584.4	1592.7	1592.7
5°	1586.1	1586.1	1579.5	1587.7	1587.7
7.5°	1574.5	1576.2	1571.2	1579.5	1579.5
10°	1559.6	1561.3	1557.9	1567.9	1567.9
12.5°	1539.7	1541.4	1539.7	1551.3	1551.3
15°	1518.2	1518.2	1519.9	1531.5	1533.1
17.5°	1490.1	1493.4	1496.7	1509.9	1509.9
20°	1458.6	1463.6	1468.5	1485.1	1485.1
22.5°	1427.1	1432.1	1438.7	1455.3	1458.6
25°	1389.1	1395.7	1404.0	1423.8	1428.8
27.5°	1349.3	1354.3	1367.5	1389.1	1390.7
30°	1304.6	1312.9	1329.5	1351.0	1356.0
32.5°	1258.3	1269.9	1288.1	1312.9	1317.9
35°	1208.6	1221.9	1245.0	1268.2	1276.5
37.5°	1162.2	1172.2	1198.7	1225.2	1230.1
40°	1107.6	1122.5	1150.7	1180.5	1187.1
42.5°	1053.0	1069.5	1101.0	1130.8	1142.4
45°	996.7	1018.2	1051.3	1084.4	1094.4
47.5°	940.4	963.6	998.3	1034.8	1046.4
50°	885.8	907.3	945.4	983.4	995.0
52.5°	824.5	849.3	890.7	932.1	943.7
55°	764.9	789.7	836.1	877.5	892.4
57.5°	703.6	731.8	779.8	822.8	836.1
60°	642.4	672.2	723.5	766.6	783.1
62.5°	581.1	609.3	665.6	708.6	723.5
65°	521.5	548.0	606.0	652.3	667.2
67.5°	457.0	486.8	546.4	594.4	607.6
70°	394.0	423.8	486.8	536.4	549.7
72.5°	329.5	364.2	427.2	475.2	493.4
75°	271.5	306.3	369.2	415.6	428.8
77.5°	210.3	245.0	309.6	342.7	344.4
80°	150.7	190.4	245.0	258.3	264.9
82.5°	99.3	137.4	168.9	185.4	185.4
85°	57.9	82.8	97.7	96.0	94.4
87.5°	21.5	28.1	23.2	16.6	11.6
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)