

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: P701686

Luminaire Tested: **RX-WO-55HB2750-UNV-24_5000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701686
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-55HB2750-UNV-24_5000K
Description: 2X4 5500 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 5000K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

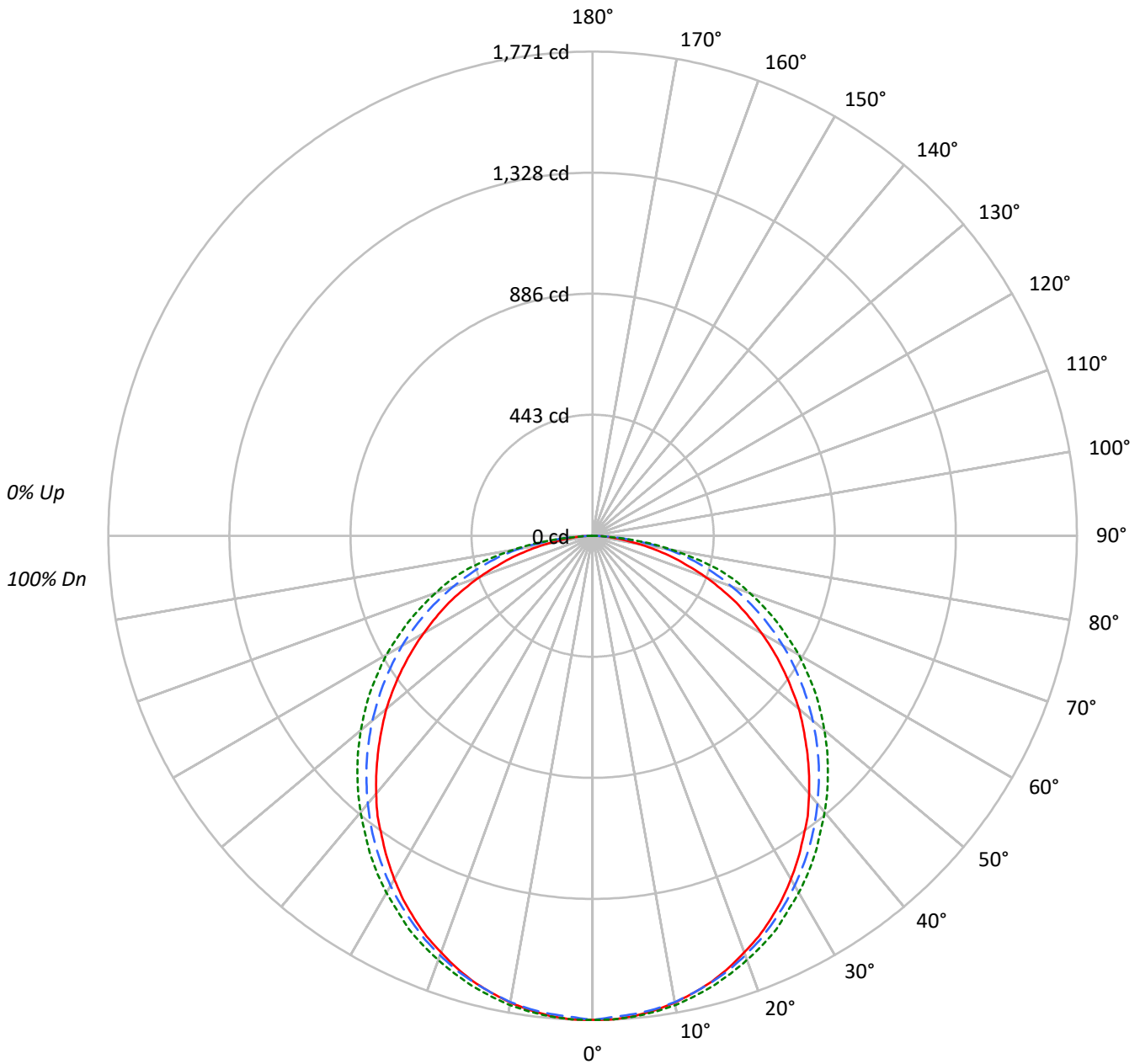
Lumens per Lamp: N/A
Luminaire Lumens: 5154.0 lumens
Efficiency: N/A
Efficacy: 122.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 42
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°	2499	2499	2499
5°	2498	2488	2501
10°	2485	2482	2498
15°	2466	2469	2490
20°	2436	2452	2480
25°	2405	2431	2474
30°	2364	2409	2457
35°	2315	2385	2445
40°	2269	2357	2431
45°	2212	2333	2428
50°	2162	2308	2429
55°	2092	2287	2441
60°	2016	2270	2457
65°	1936	2250	2477
70°	1808	2233	2522
75°	1646	2238	2599
80°	1361	2214	2394
85°	1043	1759	1699



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.4	3.2
10°-20°	478.0	9.3
20°-30°	721.1	14.0
30°-40°	865.8	16.8
40°-50°	900.4	17.5
50°-60°	828.1	16.1
60°-70°	660.0	12.8
70°-80°	418.2	8.1
80°-90°	115.0	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°	1366.6	26.5
0°-40°	2232.3	43.3
0°-60°	3960.8	76.8
0°-90°	5154.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5154.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1771	1771	1771	1771	1771	
5°	1763	1763	1756	1765	1765	167
15°	1688	1688	1690	1703	1704	476
25°	1544	1552	1561	1583	1588	711
35°	1344	1358	1384	1410	1419	842
45°	1108	1132	1169	1206	1217	856
55°	850	878	930	976	992	760
65°	580	609	674	725	742	572
75°	302	340	410	462	477	318
85°	64	92	109	107	105	77
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1770.7	1770.7	1770.7	1770.7	1770.7
2.5°	1770.7	1770.7	1761.5	1770.7	1770.7
5°	1763.3	1763.3	1755.9	1765.2	1765.2
7.5°	1750.4	1752.3	1746.7	1755.9	1755.9
10°	1733.9	1735.7	1732.0	1743.1	1743.1
12.5°	1711.8	1713.6	1711.8	1724.7	1724.7
15°	1687.8	1687.8	1689.7	1702.6	1704.4
17.5°	1656.6	1660.2	1663.9	1678.6	1678.6
20°	1621.6	1627.1	1632.6	1651.0	1651.0
22.5°	1586.6	1592.1	1599.5	1617.9	1621.6
25°	1544.3	1551.6	1560.8	1582.9	1588.5
27.5°	1500.1	1505.6	1520.3	1544.3	1546.1
30°	1450.4	1459.6	1478.0	1501.9	1507.5
32.5°	1398.9	1411.8	1432.0	1459.6	1465.1
35°	1343.6	1358.4	1384.1	1409.9	1419.1
37.5°	1292.1	1303.2	1332.6	1362.1	1367.6
40°	1231.4	1247.9	1279.2	1312.4	1319.7
42.5°	1170.6	1189.0	1224.0	1257.1	1270.0
45°	1108.1	1132.0	1168.8	1205.6	1216.6
47.5°	1045.5	1071.2	1109.9	1150.4	1163.3
50°	984.7	1008.7	1051.0	1093.3	1106.2
52.5°	916.6	944.2	990.3	1036.3	1049.2
55°	850.4	878.0	929.5	975.5	992.1
57.5°	782.3	813.6	866.9	914.8	929.5
60°	714.2	747.3	804.3	852.2	870.6
62.5°	646.1	677.3	739.9	787.8	804.3
65°	579.8	609.2	673.7	725.2	741.8
67.5°	508.0	541.1	607.4	660.8	675.5
70°	438.1	471.2	541.1	596.4	611.1
72.5°	366.3	404.9	474.9	528.3	548.5
75°	301.9	340.5	410.5	462.0	476.7
77.5°	233.8	272.4	344.2	381.0	382.8
80°	167.5	211.7	272.4	287.1	294.5
82.5°	110.4	152.8	187.7	206.1	206.1
85°	64.4	92.0	108.6	106.8	104.9
87.5°	23.9	31.3	25.8	18.4	12.9
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)