

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: P701677

Luminaire Tested: **RX-WO-50LB2750-UNV-24_2700K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701677
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-50LB2750-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

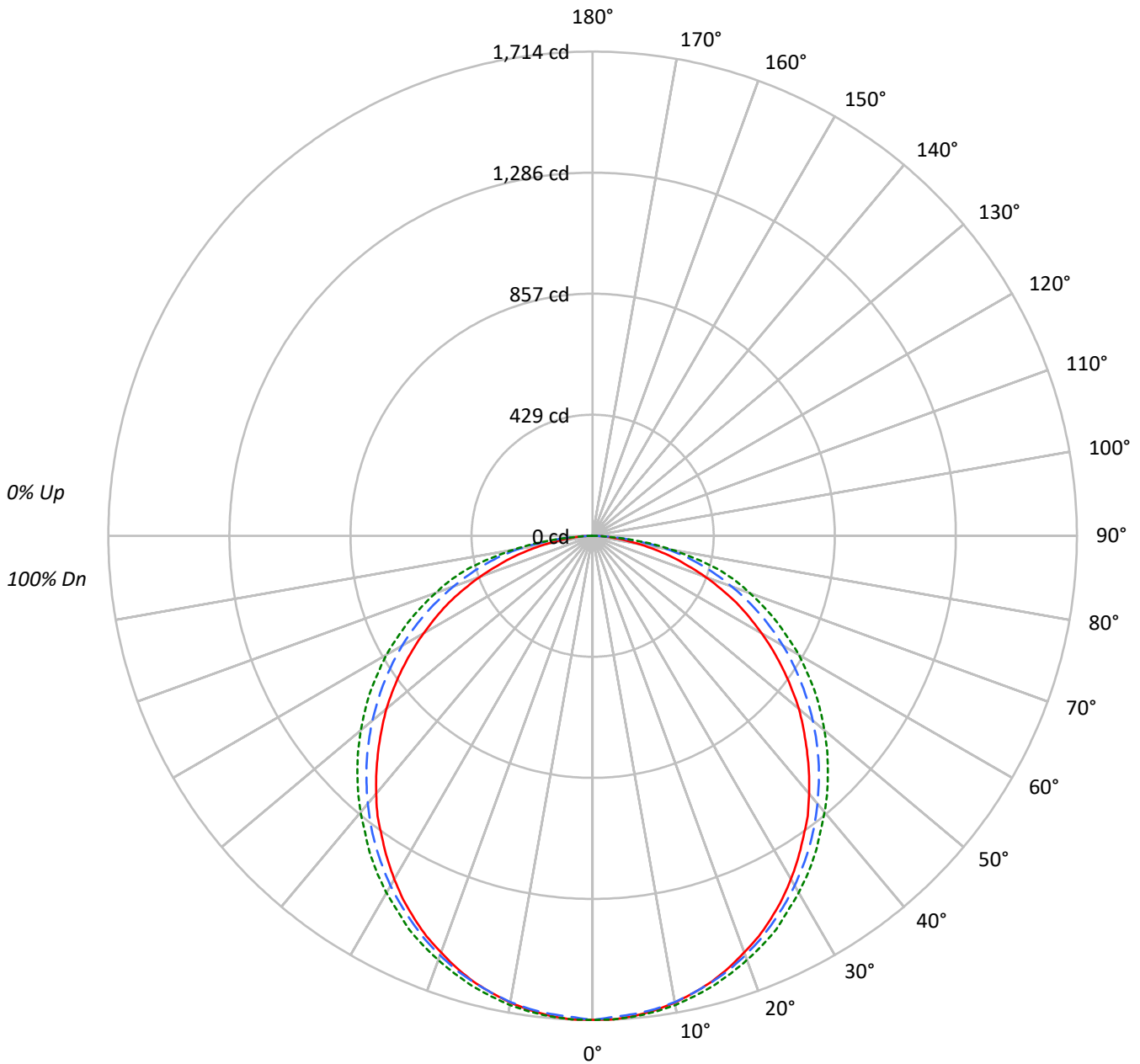
Lumens per Lamp: N/A
Luminaire Lumens: 4988.0 lumens
Efficiency: N/A
Efficacy: 124.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 40
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°	2418	2418	2418
5°	2418	2408	2420
10°	2405	2402	2418
15°	2387	2389	2410
20°	2357	2373	2400
25°	2327	2352	2394
30°	2288	2331	2378
35°	2240	2308	2366
40°	2196	2281	2353
45°	2140	2258	2350
50°	2092	2233	2351
55°	2025	2214	2362
60°	1951	2197	2378
65°	1874	2177	2397
70°	1750	2161	2440
75°	1593	2166	2516
80°	1317	2142	2316
85°	1009	1702	1644



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.0	3.2
10°-20°	462.6	9.3
20°-30°	697.9	14.0
30°-40°	837.9	16.8
40°-50°	871.4	17.5
50°-60°	801.4	16.1
60°-70°	638.7	12.8
70°-80°	404.7	8.1
80°-90°	111.3	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°	1322.6	26.5
0°-40°	2160.4	43.3
0°-60°	3833.2	76.8
0°-90°	4988.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4988.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1714	1714	1714	1714	1714	
5°	1706	1706	1699	1708	1708	162
15°	1634	1634	1635	1648	1650	460
25°	1494	1502	1511	1532	1537	688
35°	1300	1315	1340	1364	1373	814
45°	1072	1096	1131	1167	1178	828
55°	823	850	900	944	960	736
65°	561	590	652	702	718	553
75°	292	330	397	447	461	307
85°	62	89	105	103	102	74
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1713.6	1713.6	1713.6	1713.6	1713.6
2.5°	1713.6	1713.6	1704.7	1713.6	1713.6
5°	1706.5	1706.5	1699.4	1708.3	1708.3
7.5°	1694.0	1695.8	1690.5	1699.4	1699.4
10°	1678.0	1679.8	1676.2	1686.9	1686.9
12.5°	1656.6	1658.4	1656.6	1669.1	1669.1
15°	1633.5	1633.5	1635.3	1647.7	1649.5
17.5°	1603.2	1606.8	1610.3	1624.6	1624.6
20°	1569.4	1574.7	1580.0	1597.9	1597.9
22.5°	1535.5	1540.9	1548.0	1565.8	1569.4
25°	1494.5	1501.7	1510.6	1531.9	1537.3
27.5°	1451.8	1457.1	1471.4	1494.5	1496.3
30°	1403.7	1412.6	1430.4	1453.6	1458.9
32.5°	1353.8	1366.3	1385.9	1412.6	1417.9
35°	1300.4	1314.6	1339.6	1364.5	1373.4
37.5°	1250.5	1261.2	1289.7	1318.2	1323.5
40°	1191.7	1207.7	1238.0	1270.1	1277.2
42.5°	1132.9	1150.7	1184.6	1216.7	1229.1
45°	1072.4	1095.5	1131.1	1166.8	1177.5
47.5°	1011.8	1036.7	1074.1	1113.3	1125.8
50°	953.0	976.2	1017.1	1058.1	1070.6
52.5°	887.1	913.8	958.4	1002.9	1015.4
55°	823.0	849.7	899.6	944.1	960.1
57.5°	757.1	787.3	839.0	885.3	899.6
60°	691.2	723.2	778.4	824.8	842.6
62.5°	625.2	655.5	716.1	762.4	778.4
65°	561.1	589.6	652.0	701.8	717.9
67.5°	491.6	523.7	587.8	639.5	653.7
70°	424.0	456.0	523.7	577.2	591.4
72.5°	354.5	391.9	459.6	511.2	530.8
75°	292.1	329.5	397.2	447.1	461.4
77.5°	226.2	263.6	333.1	368.7	370.5
80°	162.1	204.9	263.6	277.9	285.0
82.5°	106.9	147.9	181.7	199.5	199.5
85°	62.3	89.1	105.1	103.3	101.5
87.5°	23.2	30.3	24.9	17.8	12.5
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)