

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: P701658

Luminaire Tested: **RX-WO-40LB2750-UNV-24_3000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701658
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-40LB2750-UNV-24_3000K
Description: 2X4 4000 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 3000K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

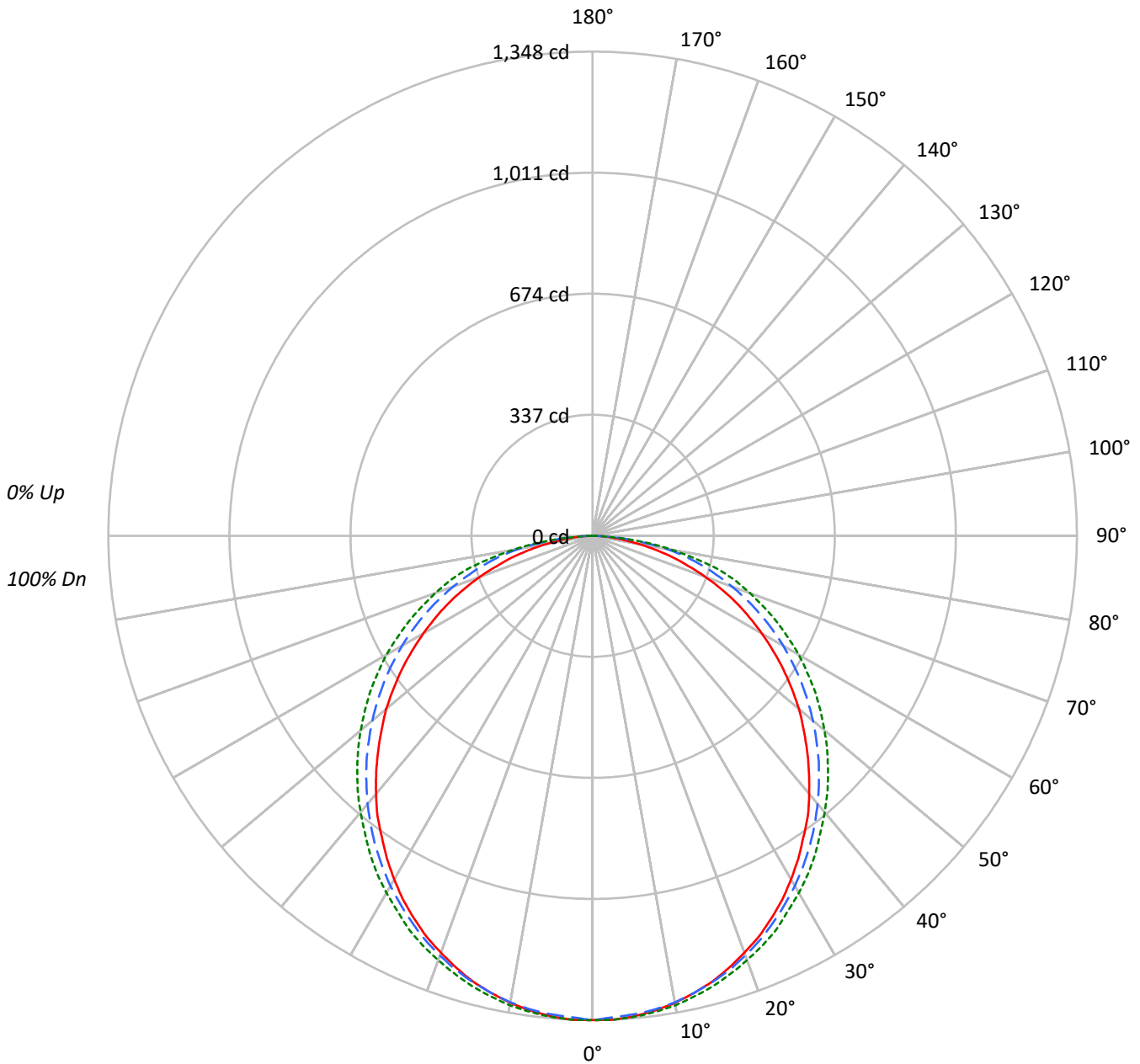
Lumens per Lamp: N/A
Luminaire Lumens: 3925.0 lumens
Efficiency: N/A
Efficacy: 126.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): 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°	1903	1903	1903
5°	1902	1894	1904
10°	1892	1890	1902
15°	1878	1880	1897
20°	1855	1867	1888
25°	1831	1851	1884
30°	1800	1834	1871
35°	1763	1816	1862
40°	1728	1795	1852
45°	1684	1777	1849
50°	1647	1757	1850
55°	1593	1742	1859
60°	1535	1729	1871
65°	1474	1713	1886
70°	1377	1701	1920
75°	1254	1705	1979
80°	1037	1686	1823
85°	795	1339	1294



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.5	3.2
10°-20°	364.0	9.3
20°-30°	549.2	14.0
30°-40°	659.3	16.8
40°-50°	685.7	17.5
50°-60°	630.6	16.1
60°-70°	502.6	12.8
70°-80°	318.5	8.1
80°-90°	87.6	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°	1040.7	26.5
0°-40°	1700.0	43.3
0°-60°	3016.3	76.8
0°-90°	3925.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3925.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1348	1348	1348	1348	1348	
5°	1343	1343	1337	1344	1344	127
15°	1285	1285	1287	1297	1298	362
25°	1176	1182	1189	1206	1210	542
35°	1023	1034	1054	1074	1081	641
45°	844	862	890	918	926	652
55°	648	669	708	743	756	579
65°	442	464	513	552	565	435
75°	230	259	313	352	363	242
85°	49	70	83	81	80	59
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1348.4	1348.4	1348.4	1348.4	1348.4
2.5°	1348.4	1348.4	1341.4	1348.4	1348.4
5°	1342.8	1342.8	1337.2	1344.2	1344.2
7.5°	1333.0	1334.4	1330.2	1337.2	1337.2
10°	1320.4	1321.8	1319.0	1327.4	1327.4
12.5°	1303.6	1305.0	1303.6	1313.4	1313.4
15°	1285.4	1285.4	1286.8	1296.6	1298.0
17.5°	1261.5	1264.3	1267.1	1278.4	1278.4
20°	1234.9	1239.1	1243.3	1257.3	1257.3
22.5°	1208.3	1212.5	1218.1	1232.1	1234.9
25°	1176.0	1181.6	1188.7	1205.5	1209.7
27.5°	1142.4	1146.6	1157.8	1176.0	1177.4
30°	1104.5	1111.6	1125.6	1143.8	1148.0
32.5°	1065.3	1075.1	1090.5	1111.6	1115.8
35°	1023.2	1034.5	1054.1	1073.7	1080.7
37.5°	984.0	992.4	1014.8	1037.3	1041.5
40°	937.7	950.4	974.2	999.4	1005.0
42.5°	891.5	905.5	932.1	957.4	967.2
45°	843.8	862.1	890.1	918.1	926.5
47.5°	796.2	815.8	845.2	876.1	885.9
50°	749.9	768.1	800.4	832.6	842.4
52.5°	698.1	719.1	754.1	789.2	799.0
55°	647.6	668.6	707.9	742.9	755.5
57.5°	595.7	619.6	660.2	696.7	707.9
60°	543.9	569.1	612.5	649.0	663.0
62.5°	492.0	515.8	563.5	599.9	612.5
65°	441.5	464.0	513.0	552.3	564.9
67.5°	386.9	412.1	462.6	503.2	514.4
70°	333.6	358.8	412.1	454.2	465.4
72.5°	278.9	308.4	361.6	402.3	417.7
75°	229.9	259.3	312.6	351.8	363.0
77.5°	178.0	207.5	262.1	290.2	291.6
80°	127.6	161.2	207.5	218.7	224.3
82.5°	84.1	116.3	143.0	157.0	157.0
85°	49.1	70.1	82.7	81.3	79.9
87.5°	18.2	23.8	19.6	14.0	9.8
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)