

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: P701544

Luminaire Tested: **RX-WO-39LB2750-UNV-14_3500K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701544
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-1)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 8/21/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-39LB2750-UNV-14_3500K
Description: 1X4 3900 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 3500K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

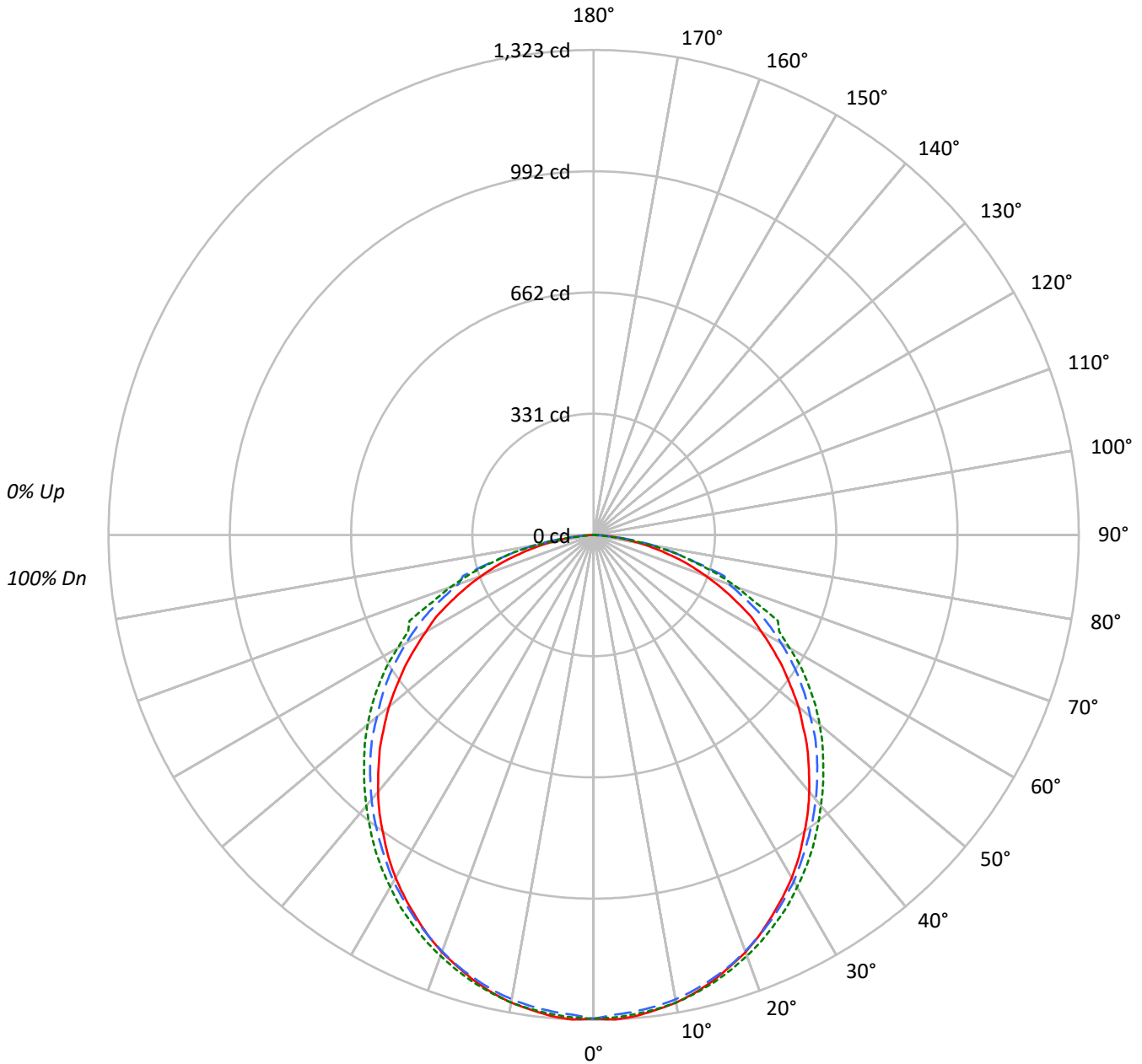
Lumens per Lamp: N/A
Luminaire Lumens: 3752.0 lumens
Efficiency: N/A
Efficacy: 121.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 31
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

TEST NUMBER: P701544

CATALOG NUMBER: RX-WO-39LB2750-UNV-14_3500K

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	109	104	99	96	106	102	98	94	97	94	91	93	91	88	90	88	86	83																			
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69																			
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58																			
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49																			
5	75	62	53	47	73	61	53	46	59	52	46	57	50	45	55	49	45	43																			
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37																			
7	65	51	42	36	63	50	42	36	48	41	35	47	40	35	46	40	35	33																			
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29																			
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26																			
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3725	3725	3725
5°	3734	3697	3718
10°	3714	3687	3714
15°	3679	3662	3695
20°	3638	3632	3671
25°	3577	3594	3646
30°	3521	3557	3617
35°	3444	3507	3590
40°	3370	3472	3554
45°	3291	3438	3534
50°	3200	3386	3532
55°	3097	3369	3523
60°	2982	3335	3480
65°	2864	3307	3700
70°	2673	3235	3418
75°	2409	3131	3071
80°	2034	2692	2542
85°	1490	1312	476



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.6	3.3
10°-20°	355.2	9.5
20°-30°	533.9	14.2
30°-40°	638.7	17.0
40°-50°	662.2	17.6
50°-60°	607.2	16.2
60°-70°	483.0	12.9
70°-80°	287.0	7.6
80°-90°	60.2	1.6
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°	1013.7	27.0
0°-40°	1652.4	44.0
0°-60°	2921.8	77.9
0°-90°	3752.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3752.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1320	1320	1320	1320	1320	
5°	1318	1314	1305	1314	1312	125
15°	1259	1257	1253	1264	1264	355
25°	1148	1150	1154	1170	1170	529
35°	999	1005	1018	1038	1042	626
45°	824	837	861	880	885	635
55°	629	652	685	712	716	562
65°	429	455	495	515	554	425
75°	221	252	287	285	282	235
85°	46	57	40	22	15	56
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1319.6	1319.6	1319.6	1319.6	1319.6
2.5°	1323.3	1319.6	1310.4	1319.6	1317.7
5°	1317.7	1314.1	1304.9	1314.1	1312.2
7.5°	1306.7	1304.9	1297.5	1306.7	1304.9
10°	1295.7	1292.0	1286.5	1295.7	1295.7
12.5°	1279.1	1275.4	1271.7	1282.8	1280.9
15°	1258.9	1257.0	1253.3	1264.4	1264.4
17.5°	1234.9	1234.9	1233.1	1244.1	1244.1
20°	1211.0	1209.2	1209.2	1222.0	1222.0
22.5°	1181.6	1181.6	1181.6	1198.1	1198.1
25°	1148.4	1150.3	1154.0	1170.5	1170.5
27.5°	1115.3	1119.0	1122.7	1139.2	1142.9
30°	1080.3	1082.2	1091.4	1107.9	1109.8
32.5°	1041.7	1045.4	1054.6	1073.0	1076.7
35°	999.4	1004.9	1017.8	1038.0	1041.7
37.5°	958.9	966.2	980.9	1001.2	1003.0
40°	914.7	923.9	942.3	960.7	964.4
42.5°	868.7	879.7	901.8	922.1	925.7
45°	824.5	837.4	861.3	879.7	885.2
47.5°	774.8	789.5	819.0	841.1	846.6
50°	728.8	743.5	771.1	798.7	804.3
52.5°	677.3	697.5	728.8	756.4	761.9
55°	629.4	651.5	684.6	712.2	715.9
57.5°	577.9	601.8	638.6	664.4	669.9
60°	528.2	554.0	590.8	614.7	616.5
62.5°	484.0	506.1	542.9	565.0	570.5
65°	428.8	454.6	495.1	515.3	554.0
67.5°	377.3	403.1	441.7	509.8	473.0
70°	323.9	353.4	392.0	410.4	414.1
72.5°	274.2	303.7	373.6	353.4	351.5
75°	220.9	252.1	287.1	285.3	281.6
77.5°	171.2	204.3	224.5	226.4	226.4
80°	125.1	165.6	165.6	165.6	156.4
82.5°	81.0	106.7	106.7	92.0	82.8
85°	46.0	57.1	40.5	22.1	14.7
87.5°	16.6	12.9	3.7	3.7	1.8
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)