

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: P701545

Luminaire Tested: **RX-WO-39LB2750-UNV-14_4000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701545
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_4000K
Description: 1X4 3900 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 4000K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

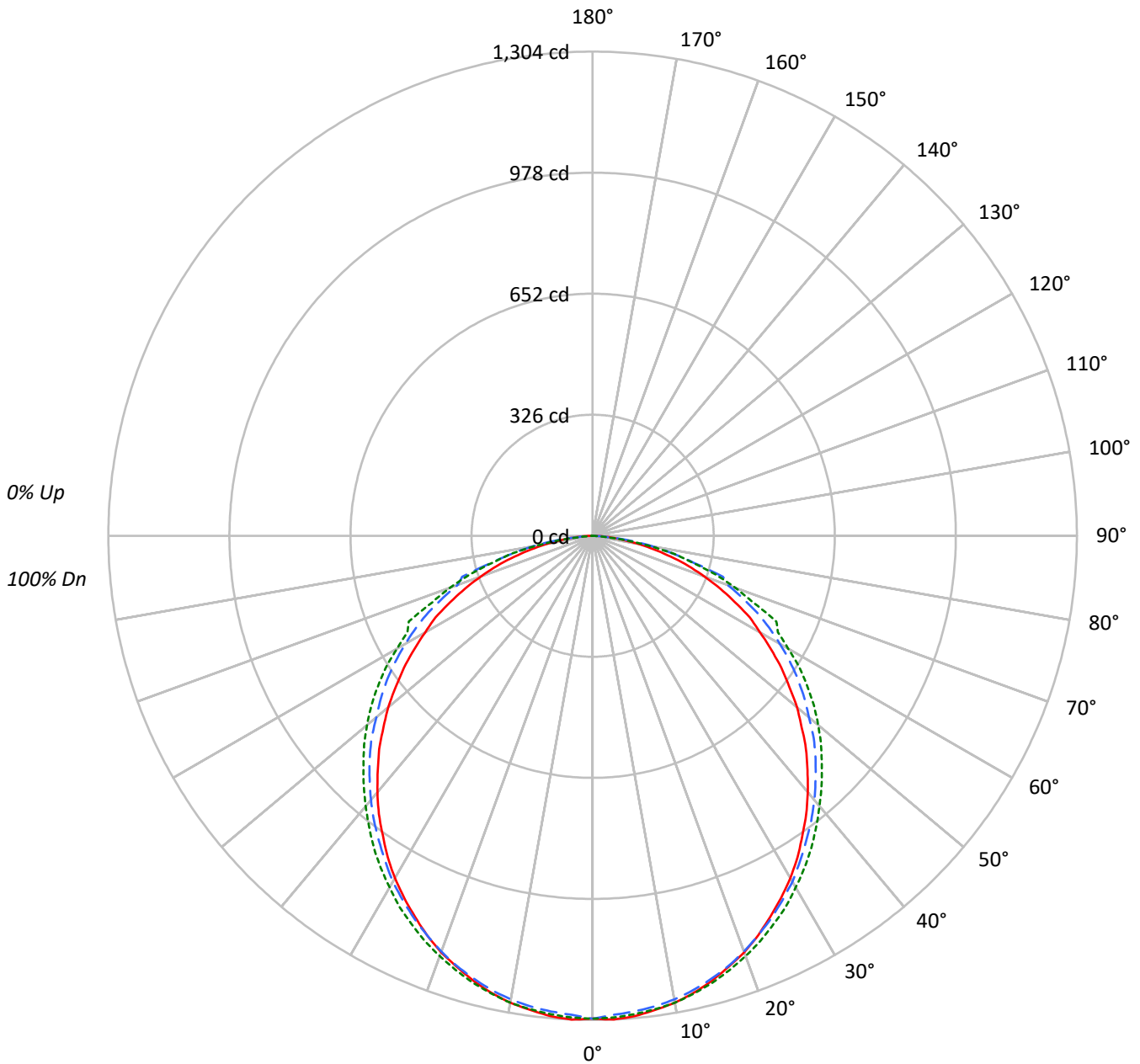
Lumens per Lamp: N/A
Luminaire Lumens: 3698.0 lumens
Efficiency: N/A
Efficacy: 119.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 31
Input Voltage (V): NR
Input Current (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	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°	3671	3671	3671
5°	3680	3644	3665
10°	3660	3634	3660
15°	3626	3610	3642
20°	3585	3580	3618
25°	3525	3542	3593
30°	3471	3506	3565
35°	3394	3457	3538
40°	3322	3422	3502
45°	3244	3389	3483
50°	3154	3337	3481
55°	3053	3321	3472
60°	2939	3287	3431
65°	2823	3259	3647
70°	2635	3189	3368
75°	2374	3086	3026
80°	2004	2654	2507
85°	1467	1292	470



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.8	3.3
10°-20°	350.1	9.5
20°-30°	526.2	14.2
30°-40°	629.5	17.0
40°-50°	652.6	17.6
50°-60°	598.5	16.2
60°-70°	476.1	12.9
70°-80°	282.9	7.6
80°-90°	59.3	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°	999.1	27.0
0°-40°	1628.6	44.0
0°-60°	2879.7	77.9
0°-90°	3698.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3698.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1301	1301	1301	1301	1301	
5°	1299	1295	1286	1295	1293	123
15°	1241	1239	1235	1246	1246	350
25°	1132	1134	1137	1154	1154	522
35°	985	990	1003	1023	1027	617
45°	813	825	849	867	872	626
55°	620	642	675	702	706	554
65°	423	448	488	508	546	418
75°	218	248	283	281	278	231
85°	45	56	40	22	14	55
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1300.6	1300.6	1300.6	1300.6	1300.6
2.5°	1304.2	1300.6	1291.5	1300.6	1298.8
5°	1298.8	1295.2	1286.1	1295.2	1293.3
7.5°	1287.9	1286.1	1278.8	1287.9	1286.1
10°	1277.0	1273.4	1267.9	1277.0	1277.0
12.5°	1260.7	1257.1	1253.4	1264.3	1262.5
15°	1240.7	1238.9	1235.3	1246.2	1246.2
17.5°	1217.2	1217.2	1215.3	1226.2	1226.2
20°	1193.6	1191.8	1191.8	1204.5	1204.5
22.5°	1164.6	1164.6	1164.6	1180.9	1180.9
25°	1131.9	1133.7	1137.3	1153.7	1153.7
27.5°	1099.2	1102.9	1106.5	1122.8	1126.5
30°	1064.8	1066.6	1075.7	1092.0	1093.8
32.5°	1026.7	1030.3	1039.4	1057.5	1061.2
35°	985.0	990.4	1003.1	1023.1	1026.7
37.5°	945.1	952.3	966.8	986.8	988.6
40°	901.5	910.6	928.7	946.9	950.5
42.5°	856.2	867.1	888.8	908.8	912.4
45°	812.6	825.3	848.9	867.1	872.5
47.5°	763.7	778.2	807.2	829.0	834.4
50°	718.3	732.8	760.0	787.3	792.7
52.5°	667.5	687.5	718.3	745.5	751.0
55°	620.4	642.1	674.8	702.0	705.6
57.5°	569.6	593.2	629.4	654.8	660.3
60°	520.6	546.0	582.3	605.9	607.7
62.5°	477.1	498.8	535.1	556.9	562.3
65°	422.6	448.0	488.0	507.9	546.0
67.5°	371.9	397.3	435.3	502.5	466.2
70°	319.3	348.3	386.4	404.5	408.1
72.5°	270.3	299.3	368.2	348.3	346.5
75°	217.7	248.5	283.0	281.2	277.5
77.5°	168.7	201.3	221.3	223.1	223.1
80°	123.3	163.3	163.3	163.3	154.2
82.5°	79.8	105.2	105.2	90.7	81.6
85°	45.3	56.2	39.9	21.8	14.5
87.5°	16.3	12.7	3.6	3.6	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)