

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: P701543

Luminaire Tested: **RX-WO-39LB2750-UNV-14_3000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701543
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_3000K
Description: 1X4 3900 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 3000K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

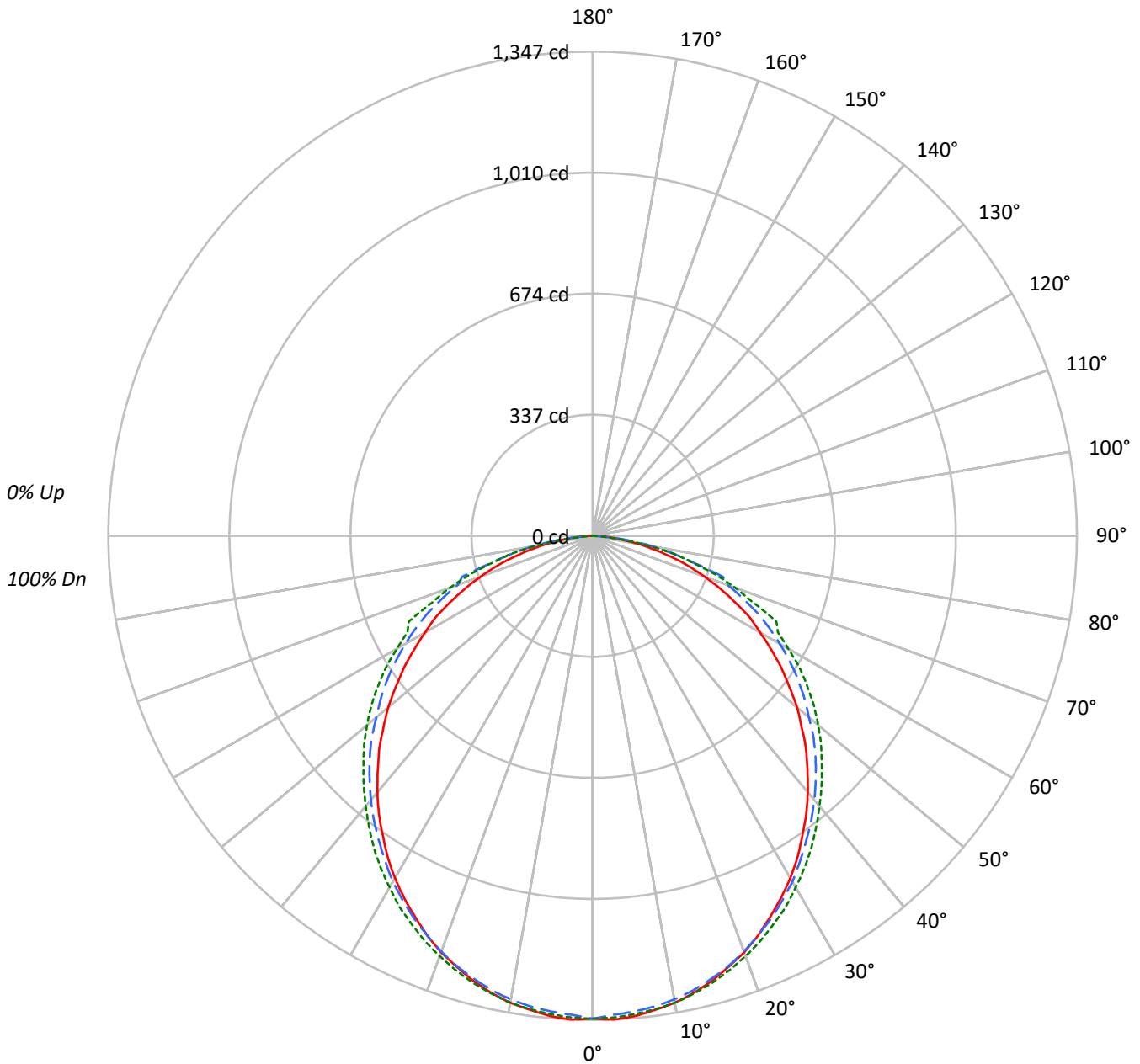
Lumens per Lamp: N/A
Luminaire Lumens: 3820.0 lumens
Efficiency: N/A
Efficacy: 123.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

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

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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°	3792	3792	3792
5°	3801	3764	3786
10°	3781	3754	3781
15°	3745	3729	3762
20°	3704	3698	3737
25°	3641	3659	3712
30°	3585	3622	3683
35°	3506	3571	3655
40°	3432	3535	3618
45°	3351	3500	3598
50°	3258	3448	3596
55°	3153	3430	3587
60°	3036	3396	3544
65°	2916	3366	3767
70°	2722	3294	3479
75°	2453	3188	3127
80°	2071	2741	2589
85°	1516	1334	486



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.9	3.3
10°-20°	361.6	9.5
20°-30°	543.6	14.2
30°-40°	650.2	17.0
40°-50°	674.2	17.6
50°-60°	618.2	16.2
60°-70°	491.8	12.9
70°-80°	292.2	7.6
80°-90°	61.3	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°	1032.1	27.0
0°-40°	1682.3	44.0
0°-60°	2974.7	77.9
0°-90°	3820.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3820.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1344	1344	1344	1344	1344	
5°	1342	1338	1328	1338	1336	127
15°	1282	1280	1276	1287	1287	361
25°	1169	1171	1175	1192	1192	539
35°	1018	1023	1036	1057	1061	637
45°	840	853	877	896	901	646
55°	641	663	697	725	729	572
65°	437	463	504	525	564	432
75°	225	257	292	290	287	239
85°	47	58	41	22	15	57
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1343.5	1343.5	1343.5	1343.5	1343.5
2.5°	1347.3	1343.5	1334.1	1343.5	1341.6
5°	1341.6	1337.9	1328.5	1337.9	1336.0
7.5°	1330.4	1328.5	1321.0	1330.4	1328.5
10°	1319.1	1315.4	1309.8	1319.1	1319.1
12.5°	1302.3	1298.5	1294.8	1306.0	1304.2
15°	1281.7	1279.8	1276.0	1287.3	1287.3
17.5°	1257.3	1257.3	1255.4	1266.7	1266.7
20°	1233.0	1231.1	1231.1	1244.2	1244.2
22.5°	1203.0	1203.0	1203.0	1219.8	1219.8
25°	1169.2	1171.1	1174.9	1191.7	1191.7
27.5°	1135.5	1139.3	1143.0	1159.9	1163.6
30°	1099.9	1101.8	1111.2	1128.0	1129.9
32.5°	1060.6	1064.3	1073.7	1092.4	1096.2
35°	1017.5	1023.1	1036.2	1056.8	1060.6
37.5°	976.2	983.7	998.7	1019.3	1021.2
40°	931.3	940.6	959.4	978.1	981.9
42.5°	884.4	895.7	918.2	938.8	942.5
45°	839.5	852.6	876.9	895.7	901.3
47.5°	788.9	803.9	833.8	856.3	861.9
50°	742.0	757.0	785.1	813.2	818.8
52.5°	689.6	710.2	742.0	770.1	775.7
55°	640.8	663.3	697.0	725.2	728.9
57.5°	588.4	612.7	650.2	676.4	682.1
60°	537.8	564.0	601.5	625.8	627.7
62.5°	492.8	515.3	552.8	575.3	580.9
65°	436.6	462.8	504.0	524.7	564.0
67.5°	384.1	410.4	449.7	519.0	481.6
70°	329.8	359.8	399.1	417.9	421.6
72.5°	279.2	309.2	380.4	359.8	357.9
75°	224.9	256.7	292.3	290.4	286.7
77.5°	174.3	208.0	228.6	230.5	230.5
80°	127.4	168.6	168.6	168.6	159.3
82.5°	82.4	108.7	108.7	93.7	84.3
85°	46.8	58.1	41.2	22.5	15.0
87.5°	16.9	13.1	3.7	3.7	1.9
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)