

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: P701540

Luminaire Tested: **RX-WO-29LB2750-UNV-14_4000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701540
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-29LB2750-UNV-14_4000K
Description: 1X4 2900 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 4000K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

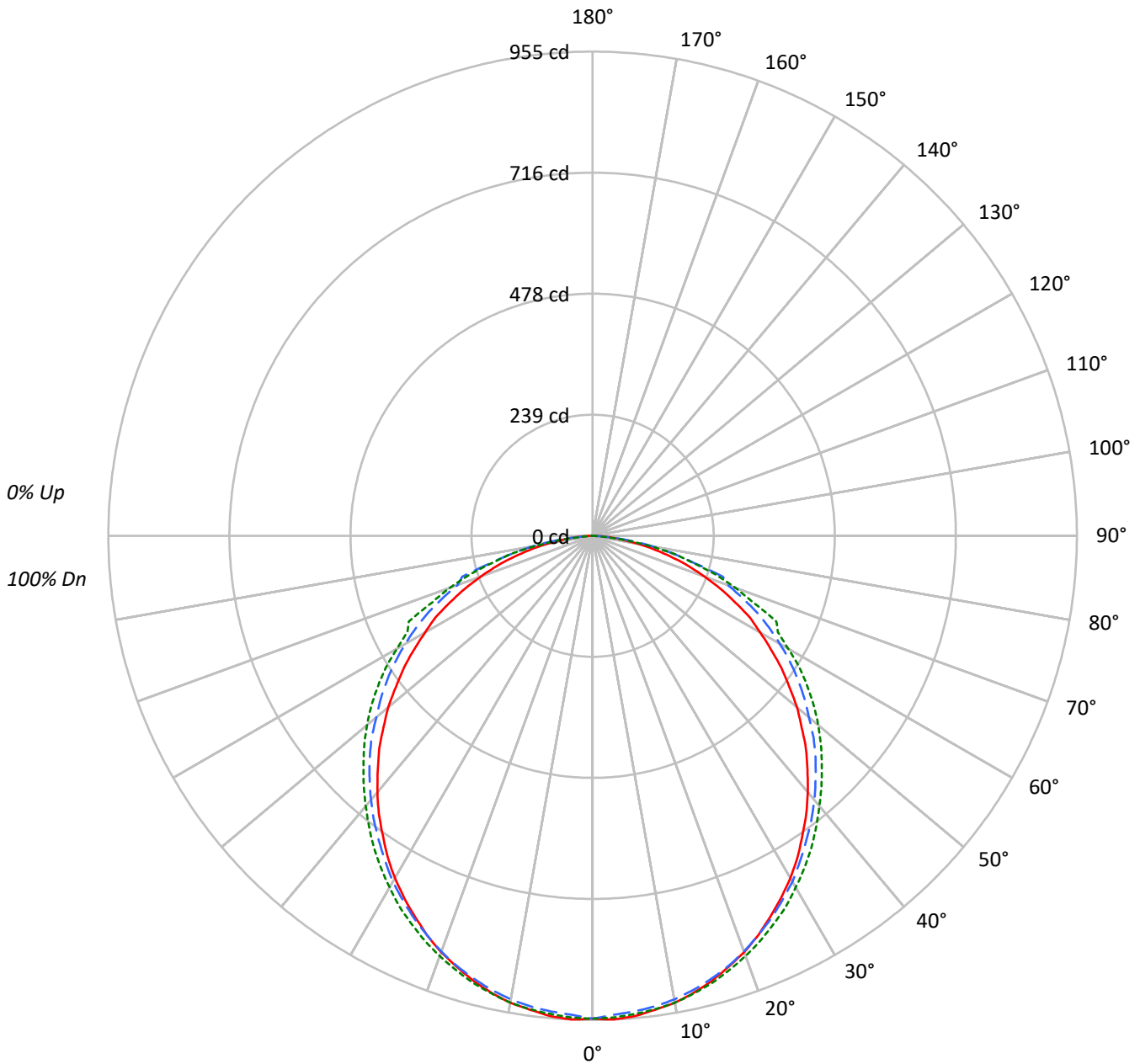
Lumens per Lamp: N/A
Luminaire Lumens: 2708.0 lumens
Efficiency: N/A
Efficacy: 117.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 23
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: P701540

CATALOG NUMBER: RX-WO-29LB2750-UNV-14_4000K

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°	2688	2688	2688
5°	2695	2669	2684
10°	2680	2661	2680
15°	2655	2643	2667
20°	2625	2621	2649
25°	2582	2594	2631
30°	2541	2567	2611
35°	2485	2531	2591
40°	2433	2506	2565
45°	2376	2482	2550
50°	2310	2444	2549
55°	2236	2432	2543
60°	2152	2407	2512
65°	2067	2386	2670
70°	1930	2335	2467
75°	1738	2260	2216
80°	1468	1942	1835
85°	1075	946	343



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.9	3.3
10°-20°	256.3	9.5
20°-30°	385.3	14.2
30°-40°	461.0	17.0
40°-50°	477.9	17.6
50°-60°	438.3	16.2
60°-70°	348.6	12.9
70°-80°	207.2	7.6
80°-90°	43.4	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°	731.6	27.0
0°-40°	1192.6	44.0
0°-60°	2108.8	77.9
0°-90°	2708.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2708.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	952	952	952	952	952	
5°	951	948	942	948	947	90
15°	909	907	905	913	913	256
25°	829	830	833	845	845	382
35°	721	725	735	749	752	452
45°	595	604	622	635	639	458
55°	454	470	494	514	517	406
65°	310	328	357	372	400	306
75°	159	182	207	206	203	169
85°	33	41	29	16	11	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	952.4	952.4	952.4	952.4	952.4
2.5°	955.1	952.4	945.8	952.4	951.1
5°	951.1	948.4	941.8	948.4	947.1
7.5°	943.1	941.8	936.5	943.1	941.8
10°	935.1	932.5	928.5	935.1	935.1
12.5°	923.2	920.5	917.9	925.8	924.5
15°	908.6	907.2	904.6	912.6	912.6
17.5°	891.3	891.3	890.0	897.9	897.9
20°	874.0	872.7	872.7	882.0	882.0
22.5°	852.8	852.8	852.8	864.7	864.7
25°	828.9	830.2	832.9	844.8	844.8
27.5°	805.0	807.6	810.3	822.2	824.9
30°	779.7	781.1	787.7	799.7	801.0
32.5°	751.8	754.5	761.1	774.4	777.1
35°	721.3	725.3	734.6	749.2	751.8
37.5°	692.1	697.4	708.0	722.6	723.9
40°	660.2	666.8	680.1	693.4	696.0
42.5°	627.0	634.9	650.9	665.5	668.1
45°	595.1	604.4	621.7	634.9	638.9
47.5°	559.2	569.9	591.1	607.0	611.0
50°	526.0	536.6	556.6	576.5	580.5
52.5°	488.8	503.4	526.0	545.9	549.9
55°	454.3	470.2	494.1	514.1	516.7
57.5°	417.1	434.4	460.9	479.5	483.5
60°	381.2	399.8	426.4	443.7	445.0
62.5°	349.4	365.3	391.9	407.8	411.8
65°	309.5	328.1	357.3	371.9	399.8
67.5°	272.3	290.9	318.8	367.9	341.4
70°	233.8	255.0	282.9	296.2	298.9
72.5°	197.9	219.2	269.7	255.0	253.7
75°	159.4	182.0	207.2	205.9	203.2
77.5°	123.5	147.4	162.1	163.4	163.4
80°	90.3	119.5	119.5	119.5	112.9
82.5°	58.4	77.0	77.0	66.4	59.8
85°	33.2	41.2	29.2	15.9	10.6
87.5°	12.0	9.3	2.7	2.7	1.3
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)