

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: P701539

Luminaire Tested: **RX-WO-29LB2750-UNV-14_3500K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701539
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_3500K
Description: 1X4 2900 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 3500K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

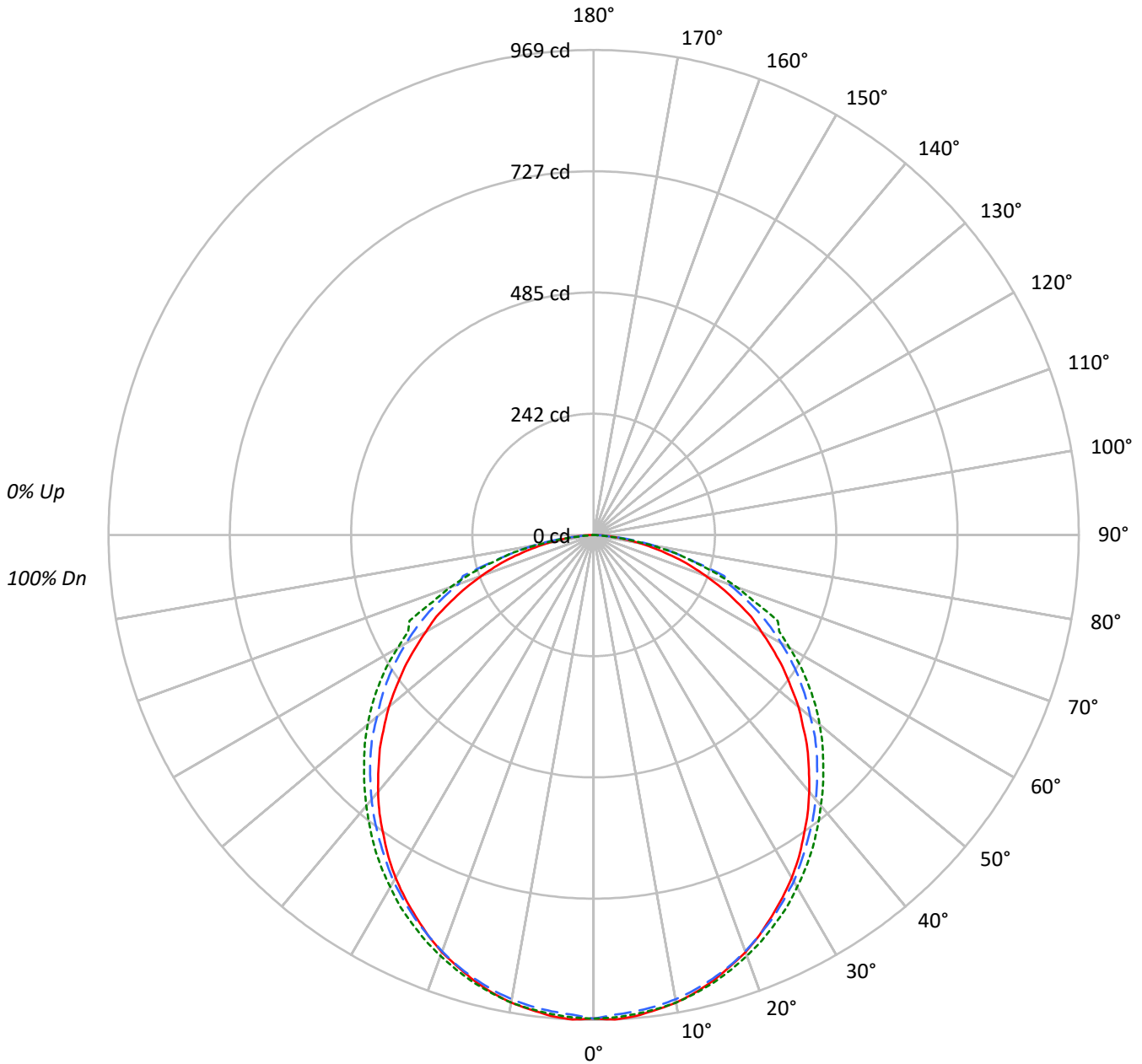
Lumens per Lamp: N/A
Luminaire Lumens: 2748.0 lumens
Efficiency: N/A
Efficacy: 119.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 23
Input Voltage (V): NR
Input Current (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°	2728	2728	2728
5°	2735	2708	2723
10°	2720	2701	2720
15°	2694	2683	2706
20°	2664	2660	2688
25°	2620	2632	2670
30°	2579	2605	2649
35°	2522	2569	2629
40°	2468	2543	2603
45°	2411	2518	2588
50°	2344	2480	2587
55°	2269	2467	2581
60°	2184	2443	2549
65°	2098	2422	2710
70°	1958	2369	2503
75°	1765	2294	2249
80°	1491	1972	1863
85°	1091	962	350



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.3	3.3
10°-20°	260.1	9.5
20°-30°	391.0	14.2
30°-40°	467.8	17.0
40°-50°	485.0	17.6
50°-60°	444.8	16.2
60°-70°	353.8	12.9
70°-80°	210.2	7.6
80°-90°	44.1	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°	742.4	27.0
0°-40°	1210.2	44.0
0°-60°	2139.9	77.9
0°-90°	2748.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2748.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	966	966	966	966	966	
5°	965	962	956	962	961	92
15°	922	921	918	926	926	260
25°	841	842	845	857	857	388
35°	732	736	745	760	763	458
45°	604	613	631	644	648	465
55°	461	477	501	522	524	412
65°	314	333	363	377	406	311
75°	162	185	210	209	206	172
85°	34	42	30	16	11	41
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	966.5	966.5	966.5	966.5	966.5
2.5°	969.2	966.5	959.7	966.5	965.1
5°	965.1	962.4	955.7	962.4	961.1
7.5°	957.0	955.7	950.3	957.0	955.7
10°	949.0	946.3	942.2	949.0	949.0
12.5°	936.8	934.1	931.4	939.5	938.2
15°	922.0	920.6	918.0	926.0	926.0
17.5°	904.5	904.5	903.1	911.2	911.2
20°	887.0	885.6	885.6	895.0	895.0
22.5°	865.4	865.4	865.4	877.5	877.5
25°	841.1	842.5	845.2	857.3	857.3
27.5°	816.9	819.6	822.2	834.4	837.1
30°	791.2	792.6	799.3	811.5	812.8
32.5°	762.9	765.6	772.4	785.9	788.6
35°	731.9	736.0	745.4	760.2	762.9
37.5°	702.3	707.7	718.5	733.3	734.6
40°	669.9	676.7	690.1	703.6	706.3
42.5°	636.2	644.3	660.5	675.3	678.0
45°	603.9	613.3	630.8	644.3	648.4
47.5°	567.5	578.3	599.8	616.0	620.1
50°	533.8	544.6	564.8	585.0	589.1
52.5°	496.0	510.9	533.8	554.0	558.1
55°	461.0	477.2	501.4	521.7	524.4
57.5°	423.3	440.8	467.7	486.6	490.7
60°	386.9	405.7	432.7	450.2	451.6
62.5°	354.5	370.7	397.6	413.8	417.9
65°	314.1	332.9	362.6	377.4	405.7
67.5°	276.3	295.2	323.5	373.4	346.4
70°	237.2	258.8	287.1	300.6	303.3
72.5°	200.8	222.4	273.6	258.8	257.5
75°	161.8	184.7	210.3	208.9	206.2
77.5°	125.4	149.6	164.4	165.8	165.8
80°	91.7	121.3	121.3	121.3	114.6
82.5°	59.3	78.2	78.2	67.4	60.7
85°	33.7	41.8	29.7	16.2	10.8
87.5°	12.1	9.4	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)