

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: P701537

Luminaire Tested: **RX-WO-29LB2750-UNV-14_2700K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701537
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_2700K
Description: 1X4 2900 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 2700K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

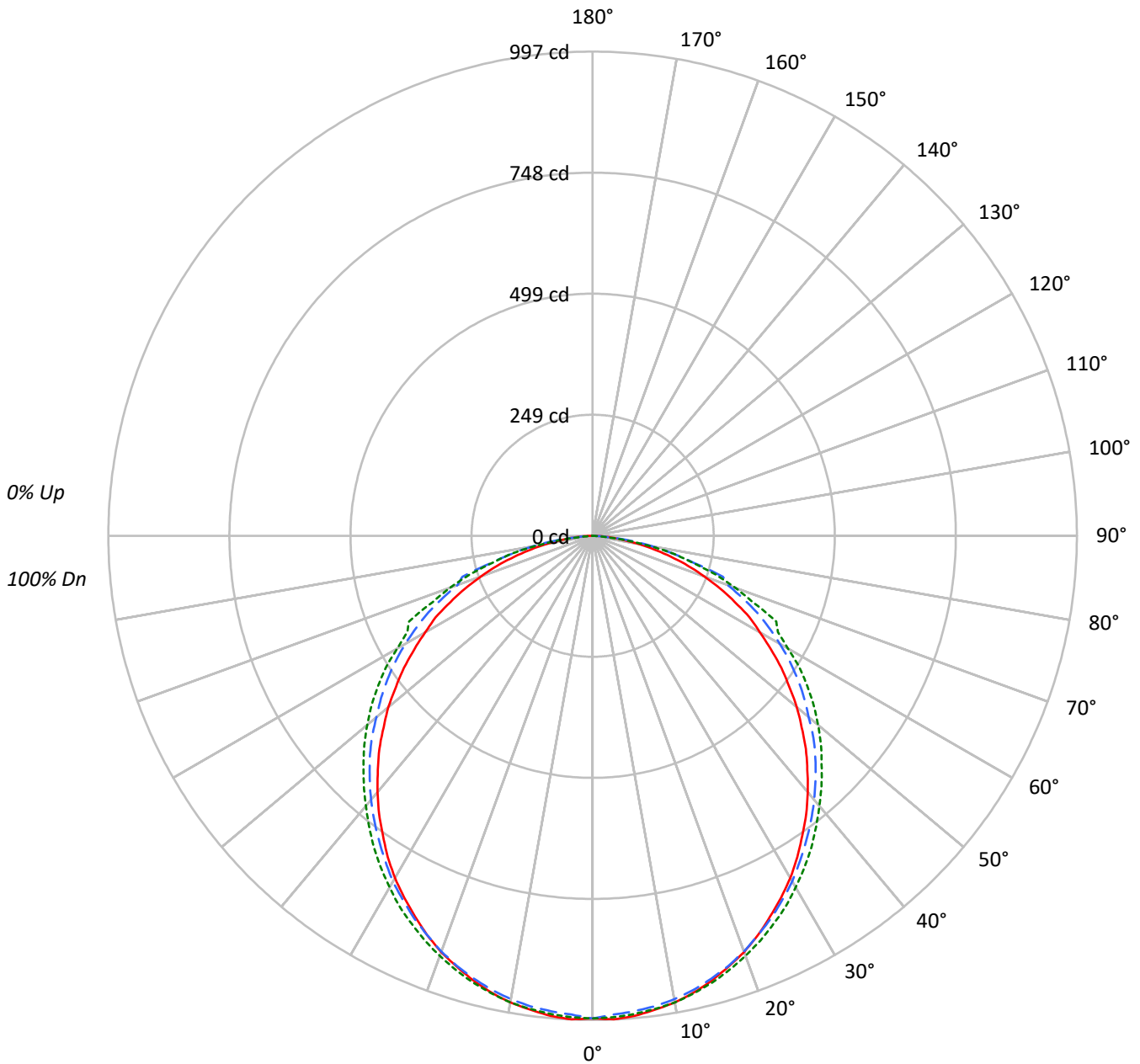
Lumens per Lamp: N/A
Luminaire Lumens: 2826.0 lumens
Efficiency: N/A
Efficacy: 122.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

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

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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°	2805	2805	2805
5°	2812	2785	2801
10°	2797	2777	2797
15°	2771	2759	2783
20°	2740	2736	2765
25°	2694	2707	2746
30°	2652	2679	2724
35°	2594	2642	2704
40°	2538	2615	2677
45°	2479	2590	2662
50°	2410	2550	2660
55°	2333	2538	2654
60°	2246	2512	2622
65°	2157	2491	2786
70°	2014	2437	2574
75°	1814	2358	2313
80°	1533	2029	1915
85°	1124	988	359



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.9	3.3
10°-20°	267.5	9.5
20°-30°	402.1	14.2
30°-40°	481.0	17.0
40°-50°	498.7	17.6
50°-60°	457.4	16.2
60°-70°	363.8	12.9
70°-80°	216.2	7.6
80°-90°	45.3	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°	763.5	27.0
0°-40°	1244.6	44.0
0°-60°	2200.7	77.9
0°-90°	2826.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2826.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	994	994	994	994	994	
5°	992	990	983	990	988	94
15°	948	947	944	952	952	267
25°	865	866	869	882	882	399
35°	753	757	767	782	785	471
45°	621	631	649	663	667	478
55°	474	491	516	536	539	423
65°	323	342	373	388	417	320
75°	166	190	216	215	212	177
85°	35	43	30	17	11	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	993.9	993.9	993.9	993.9	993.9
2.5°	996.7	993.9	987.0	993.9	992.5
5°	992.5	989.8	982.8	989.8	988.4
7.5°	984.2	982.8	977.3	984.2	982.8
10°	975.9	973.1	969.0	975.9	975.9
12.5°	963.4	960.6	957.9	966.2	964.8
15°	948.2	946.8	944.0	952.3	952.3
17.5°	930.1	930.1	928.8	937.1	937.1
20°	912.1	910.7	910.7	920.4	920.4
22.5°	889.9	889.9	889.9	902.4	902.4
25°	865.0	866.4	869.2	881.6	881.6
27.5°	840.0	842.8	845.6	858.1	860.8
30°	813.7	815.1	822.0	834.5	835.9
32.5°	784.6	787.4	794.3	808.2	810.9
35°	752.7	756.9	766.6	781.8	784.6
37.5°	722.2	727.8	738.8	754.1	755.5
40°	688.9	695.9	709.7	723.6	726.4
42.5°	654.3	662.6	679.2	694.5	697.3
45°	621.0	630.7	648.7	662.6	666.8
47.5°	583.6	594.7	616.9	633.5	637.7
50°	548.9	560.0	580.8	601.6	605.8
52.5°	510.1	525.4	548.9	569.7	573.9
55°	474.1	490.7	515.7	536.5	539.2
57.5°	435.3	453.3	481.0	500.4	504.6
60°	397.8	417.2	445.0	463.0	464.4
62.5°	364.6	381.2	408.9	425.6	429.7
65°	323.0	342.4	372.9	388.1	417.2
67.5°	284.2	303.6	332.7	384.0	356.3
70°	244.0	266.2	295.3	309.1	311.9
72.5°	206.5	228.7	281.4	266.2	264.8
75°	166.3	189.9	216.2	214.9	212.1
77.5°	128.9	153.9	169.1	170.5	170.5
80°	94.3	124.8	124.8	124.8	117.8
82.5°	61.0	80.4	80.4	69.3	62.4
85°	34.7	43.0	30.5	16.6	11.1
87.5°	12.5	9.7	2.8	2.8	1.4
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)