

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: P701541

Luminaire Tested: **RX-WO-29LB2750-UNV-14_5000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701541
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_5000K
Description: 1X4 2900 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 5000K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

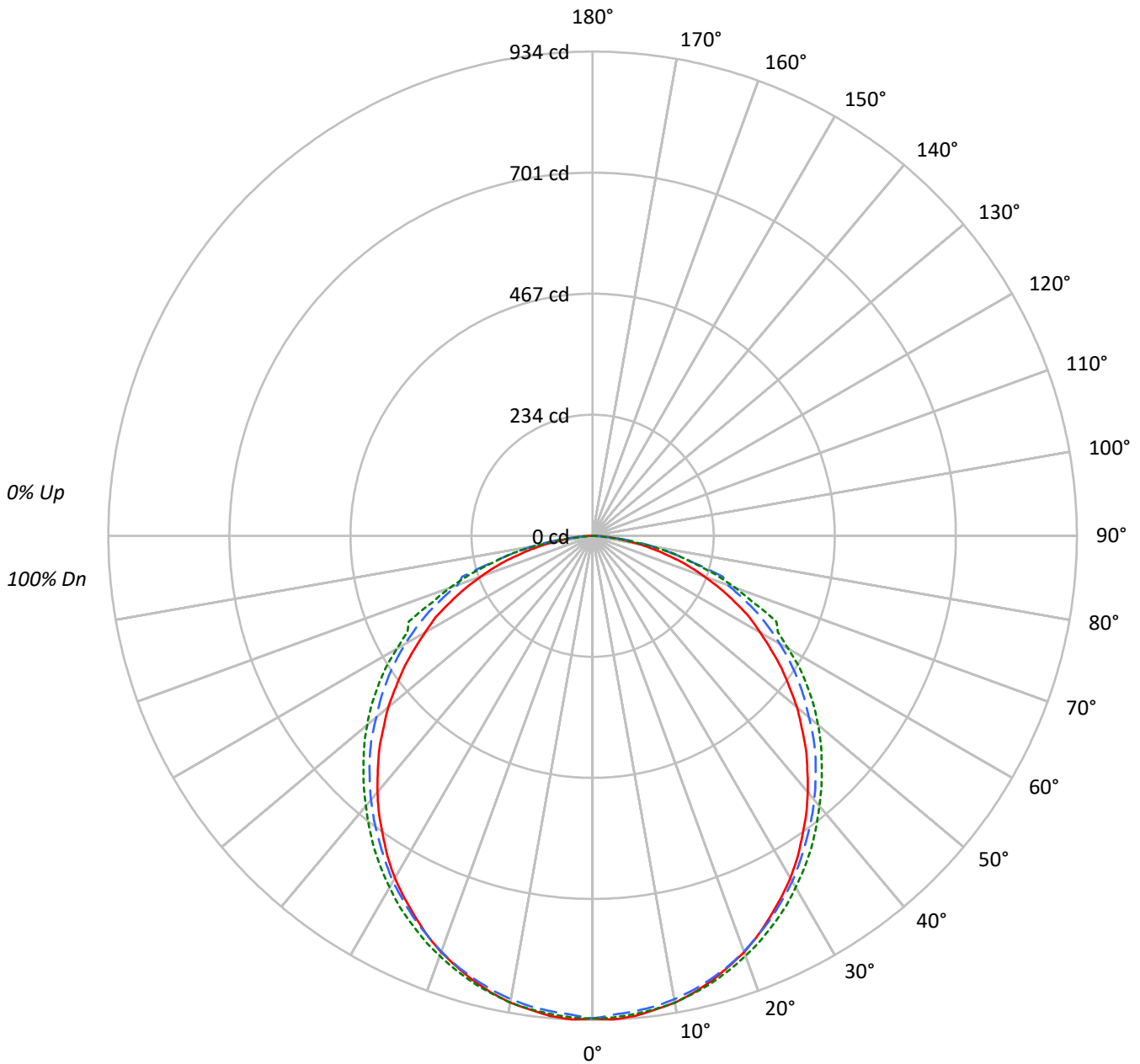
Lumens per Lamp: N/A
Luminaire Lumens: 2648.0 lumens
Efficiency: N/A
Efficacy: 115.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

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°	2629	2629	2629
5°	2635	2609	2624
10°	2621	2602	2621
15°	2596	2585	2608
20°	2567	2563	2591
25°	2524	2536	2573
30°	2485	2510	2553
35°	2430	2475	2533
40°	2379	2450	2508
45°	2323	2427	2494
50°	2259	2390	2493
55°	2186	2378	2487
60°	2105	2354	2456
65°	2021	2334	2612
70°	1887	2284	2412
75°	1700	2210	2167
80°	1435	1900	1795
85°	1053	926	337



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.0	3.3
10°-20°	250.7	9.5
20°-30°	376.8	14.2
30°-40°	450.7	17.0
40°-50°	467.3	17.6
50°-60°	428.6	16.2
60°-70°	340.9	12.9
70°-80°	202.6	7.6
80°-90°	42.5	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°	715.4	27.0
0°-40°	1166.2	44.0
0°-60°	2062.1	77.9
0°-90°	2648.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2648.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	931	931	931	931	931	
5°	930	927	921	927	926	88
15°	888	887	884	892	892	251
25°	810	812	814	826	826	374
35°	705	709	718	733	735	442
45°	582	591	608	621	625	448
55°	444	460	483	503	505	397
65°	303	321	349	364	391	300
75°	156	178	203	201	199	166
85°	32	40	29	16	10	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	931.3	931.3	931.3	931.3	931.3
2.5°	933.9	931.3	924.8	931.3	930.0
5°	930.0	927.4	920.9	927.4	926.1
7.5°	922.2	920.9	915.7	922.2	920.9
10°	914.4	911.8	907.9	914.4	914.4
12.5°	902.7	900.1	897.5	905.3	904.0
15°	888.4	887.1	884.5	892.3	892.3
17.5°	871.6	871.6	870.3	878.1	878.1
20°	854.7	853.4	853.4	862.5	862.5
22.5°	833.9	833.9	833.9	845.6	845.6
25°	810.5	811.8	814.4	826.1	826.1
27.5°	787.1	789.7	792.3	804.0	806.6
30°	762.5	763.8	770.2	781.9	783.2
32.5°	735.2	737.8	744.3	757.3	759.9
35°	705.3	709.2	718.3	732.6	735.2
37.5°	676.7	681.9	692.3	706.6	707.9
40°	645.6	652.0	665.0	678.0	680.6
42.5°	613.1	620.9	636.5	650.7	653.3
45°	581.9	591.0	607.9	620.9	624.8
47.5°	546.8	557.2	578.0	593.6	597.5
50°	514.4	524.8	544.2	563.7	567.6
52.5°	478.0	492.3	514.4	533.8	537.7
55°	444.2	459.8	483.2	502.7	505.3
57.5°	407.9	424.7	450.7	468.9	472.8
60°	372.8	391.0	416.9	433.8	435.1
62.5°	341.6	357.2	383.2	398.8	402.7
65°	302.6	320.8	349.4	363.7	391.0
67.5°	266.3	284.5	311.7	359.8	333.8
70°	228.6	249.4	276.7	289.7	292.3
72.5°	193.5	214.3	263.7	249.4	248.1
75°	155.9	177.9	202.6	201.3	198.7
77.5°	120.8	144.2	158.5	159.8	159.8
80°	88.3	116.9	116.9	116.9	110.4
82.5°	57.2	75.3	75.3	64.9	58.5
85°	32.5	40.3	28.6	15.6	10.4
87.5°	11.7	9.1	2.6	2.6	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)