

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: P701538

Luminaire Tested: **RX-WO-29LB2750-UNV-14_3000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701538
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_3000K
Description: 1X4 2900 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 3000K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

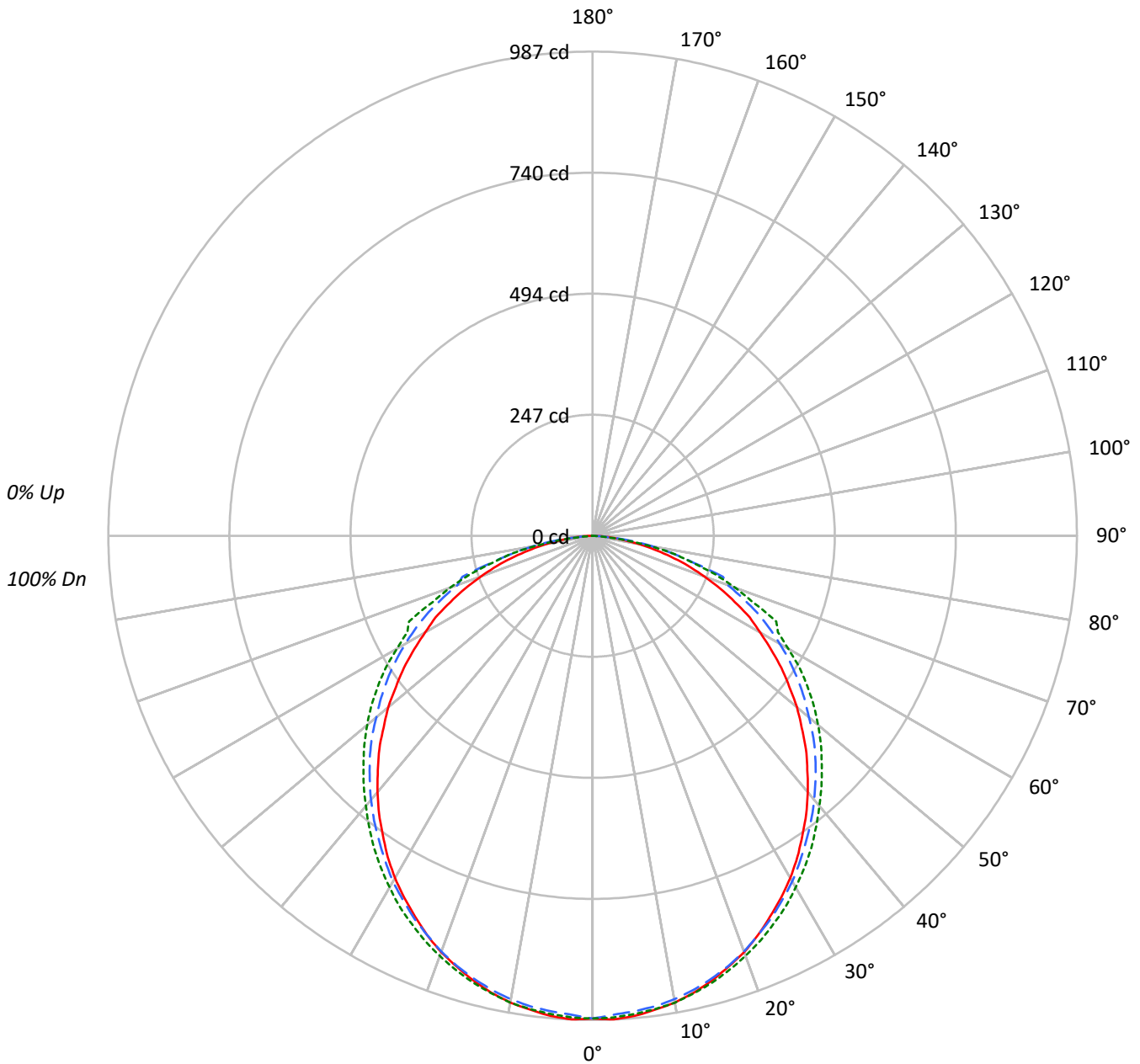
Lumens per Lamp: N/A
Luminaire Lumens: 2798.0 lumens
Efficiency: N/A
Efficacy: 121.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

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

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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°	2778	2778	2778
5°	2784	2757	2773
10°	2769	2750	2769
15°	2743	2731	2755
20°	2713	2709	2737
25°	2667	2680	2719
30°	2626	2653	2697
35°	2568	2615	2677
40°	2513	2589	2650
45°	2455	2564	2635
50°	2387	2525	2634
55°	2310	2513	2627
60°	2224	2487	2596
65°	2136	2466	2759
70°	1994	2412	2549
75°	1796	2335	2290
80°	1517	2008	1897
85°	1111	978	356



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.9	3.3
10°-20°	264.9	9.5
20°-30°	398.2	14.2
30°-40°	476.3	17.0
40°-50°	493.8	17.6
50°-60°	452.9	16.2
60°-70°	360.2	12.9
70°-80°	214.0	7.6
80°-90°	44.9	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°	756.0	27.0
0°-40°	1232.2	44.0
0°-60°	2178.9	77.9
0°-90°	2798.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2798.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	984	984	984	984	984	
5°	983	980	973	980	979	93
15°	939	937	935	943	943	265
25°	856	858	860	873	873	395
35°	745	749	759	774	777	467
45°	615	624	642	656	660	474
55°	469	486	511	531	534	419
65°	320	339	369	384	413	317
75°	165	188	214	213	210	175
85°	34	42	30	16	11	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	984.1	984.1	984.1	984.1	984.1
2.5°	986.8	984.1	977.2	984.1	982.7
5°	982.7	979.9	973.1	979.9	978.6
7.5°	974.5	973.1	967.6	974.5	973.1
10°	966.2	963.5	959.4	966.2	966.2
12.5°	953.9	951.1	948.4	956.6	955.2
15°	938.8	937.4	934.7	942.9	942.9
17.5°	920.9	920.9	919.6	927.8	927.8
20°	903.1	901.7	901.7	911.3	911.3
22.5°	881.1	881.1	881.1	893.5	893.5
25°	856.4	857.8	860.5	872.9	872.9
27.5°	831.7	834.5	837.2	849.6	852.3
30°	805.6	807.0	813.9	826.2	827.6
32.5°	776.8	779.6	786.4	800.2	802.9
35°	745.3	749.4	759.0	774.1	776.8
37.5°	715.1	720.5	731.5	746.6	748.0
40°	682.1	689.0	702.7	716.4	719.2
42.5°	647.8	656.0	672.5	687.6	690.4
45°	614.9	624.5	642.3	656.0	660.2
47.5°	577.8	588.8	610.8	627.2	631.3
50°	543.5	554.5	575.1	595.7	599.8
52.5°	505.1	520.2	543.5	564.1	568.2
55°	469.4	485.9	510.6	531.1	533.9
57.5°	431.0	448.8	476.2	495.5	499.6
60°	393.9	413.1	440.6	458.4	459.8
62.5°	361.0	377.4	404.9	421.3	425.5
65°	319.8	339.0	369.2	384.3	413.1
67.5°	281.4	300.6	329.4	380.2	352.7
70°	241.6	263.5	292.3	306.1	308.8
72.5°	204.5	226.5	278.6	263.5	262.1
75°	164.7	188.0	214.1	212.7	210.0
77.5°	127.6	152.3	167.4	168.8	168.8
80°	93.3	123.5	123.5	123.5	116.7
82.5°	60.4	79.6	79.6	68.6	61.8
85°	34.3	42.5	30.2	16.5	11.0
87.5°	12.4	9.6	2.7	2.7	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)