

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: P701585

Luminaire Tested: **RX-WO-29HB2750-UNV-22_4000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701585
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P302127)
Test Lab: INNOVATION CENTER
Issue Date: 8/21/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-29HB2750-UNV-22_4000K
Description: 2X2 2900 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 4000K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

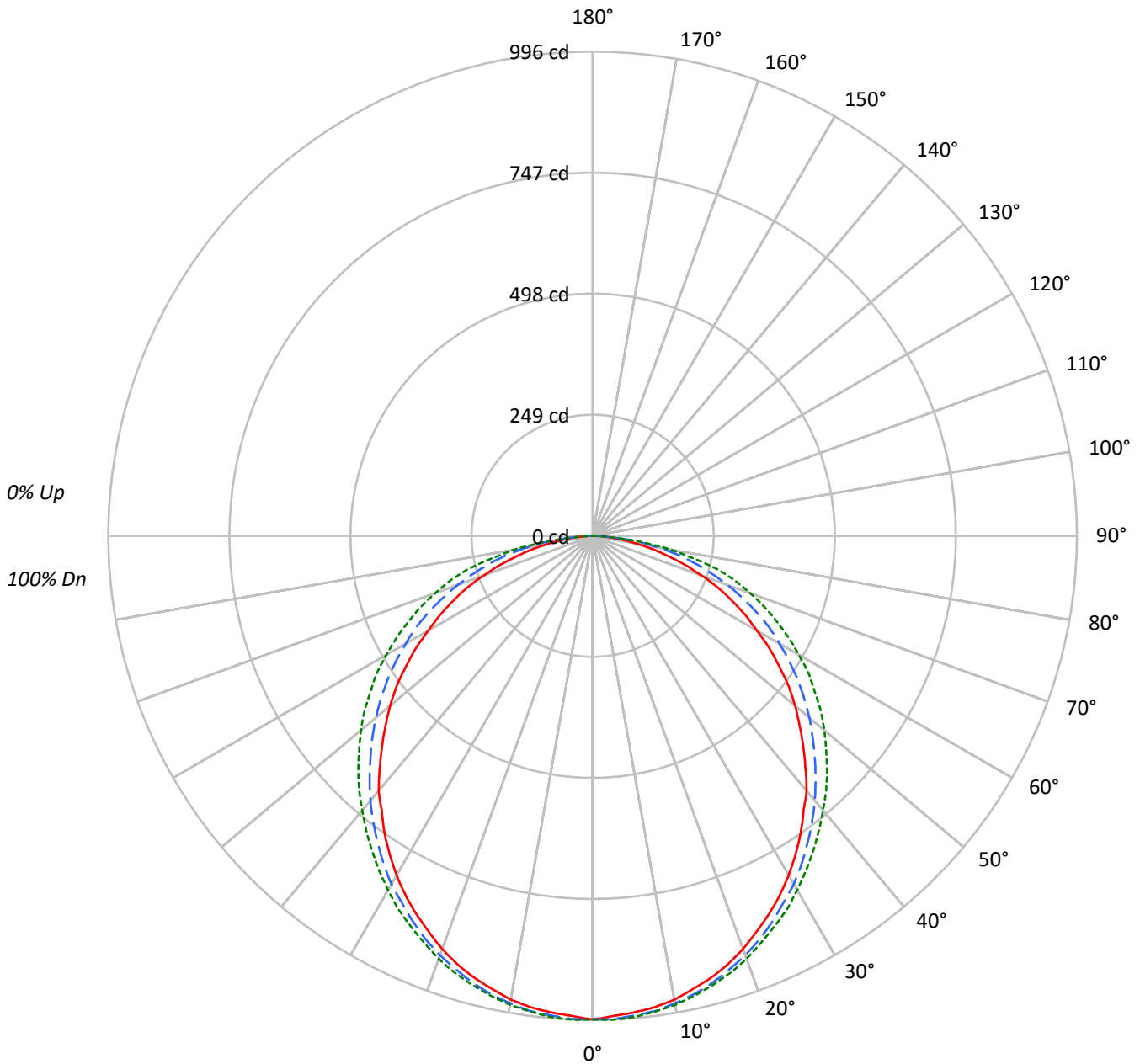
Lumens per Lamp: N/A
Luminaire Lumens: 2852.0 lumens
Efficiency: N/A
Efficacy: 114.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 25
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	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83																			
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69																			
3	90	79	70	64	87	77	69	63	74	68	62	71	66	61	69	64	60	58																			
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49																			
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42																			
6	69	56	47	40	68	55	46	40	53	45	40	51	45	39	50	44	39	37																			
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33																			
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	29																			
9	56	42	34	29	55	42	34	28	41	33	28	40	33	28	39	32	28	26																			
10	52	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2823	2823	2823
5°	2803	2821	2830
10°	2792	2814	2822
15°	2765	2797	2810
20°	2731	2773	2796
25°	2687	2740	2774
30°	2641	2712	2757
35°	2585	2670	2739
40°	2536	2633	2730
45°	2458	2594	2736
50°	2400	2569	2745
55°	2317	2544	2757
60°	2213	2518	2780
65°	2124	2495	2805
70°	1975	2446	2853
75°	1751	2390	2912
80°	1480	2232	2634
85°	1052	1550	1501



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.1	3.3
10°-20°	268.1	9.4
20°-30°	402.8	14.1
30°-40°	481.9	16.9
40°-50°	499.7	17.5
50°-60°	459.6	16.1
60°-70°	364.7	12.8
70°-80°	225.3	7.9
80°-90°	56.0	2.0
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°	764.9	26.8
0°-40°	1246.8	43.7
0°-60°	2206.0	77.3
0°-90°	2852.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2852.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	995	995	995	995	995	
5°	984	987	990	994	994	93
15°	941	944	952	956	956	265
25°	858	864	875	884	886	395
35°	746	754	771	786	791	467
45°	613	623	646	672	682	473
55°	468	480	514	550	557	419
65°	316	330	372	407	418	313
75°	160	181	218	252	266	171
85°	32	42	48	48	46	41
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	995.0	995.0	995.0	995.0	995.0
2.5°	988.8	990.3	995.0	996.5	996.5
5°	984.2	987.3	990.3	993.5	993.5
7.5°	978.0	981.2	985.8	987.3	987.3
10°	968.9	972.0	976.5	979.5	979.5
12.5°	955.0	959.7	965.8	968.9	968.9
15°	941.2	944.2	952.0	956.5	956.5
17.5°	924.4	927.4	935.2	941.2	942.7
20°	904.4	907.4	918.2	924.4	925.9
22.5°	881.4	885.9	898.2	904.4	905.9
25°	858.3	864.4	875.2	884.4	885.9
27.5°	833.8	839.9	850.6	862.9	865.9
30°	806.1	812.3	827.6	838.4	841.4
32.5°	777.0	784.6	800.0	813.8	816.8
35°	746.2	754.0	770.8	786.1	790.8
37.5°	712.5	723.2	741.6	758.5	764.6
40°	684.7	691.0	710.9	730.9	737.0
42.5°	647.9	657.2	678.7	701.7	710.9
45°	612.6	623.4	646.4	672.5	681.7
47.5°	577.3	588.1	614.1	641.9	651.0
50°	543.6	552.8	581.9	612.6	621.9
52.5°	508.3	517.5	548.1	581.9	591.1
55°	468.3	480.5	514.3	549.8	557.3
57.5°	431.4	443.7	479.0	512.8	526.6
60°	389.9	405.4	443.7	477.5	489.8
62.5°	354.6	366.9	409.9	443.7	454.5
65°	316.3	330.1	371.6	406.9	417.7
67.5°	279.5	293.3	333.1	368.6	382.4
70°	238.0	253.3	294.8	330.1	343.9
72.5°	199.7	218.0	254.8	291.8	307.1
75°	159.7	181.2	218.0	251.8	265.6
77.5°	124.4	142.9	178.2	201.2	208.8
80°	90.6	109.1	136.6	151.9	161.2
82.5°	61.4	72.1	93.6	104.4	104.4
85°	32.3	41.5	47.6	47.6	46.1
87.5°	10.8	12.3	9.2	4.5	3.0
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)