

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: P701583

Luminaire Tested: **RX-WO-29HB2750-UNV-22_3000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701583
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_3000K
Description: 2X2 2900 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 3000K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

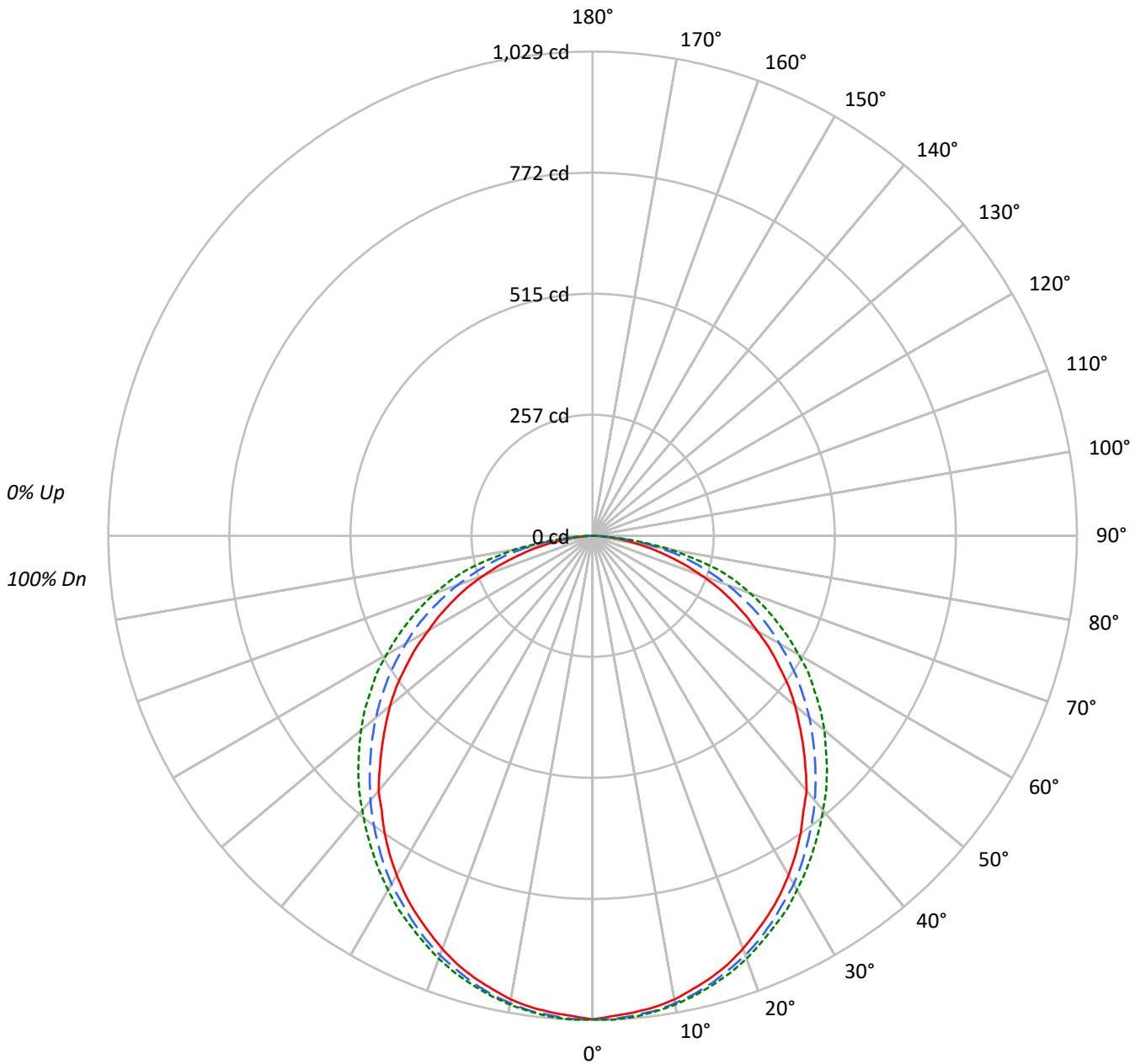
Lumens per Lamp: N/A
Luminaire Lumens: 2946.0 lumens
Efficiency: N/A
Efficacy: 117.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

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°	2916	2916	2916
5°	2896	2914	2923
10°	2884	2906	2915
15°	2856	2889	2902
20°	2821	2864	2888
25°	2776	2830	2865
30°	2728	2801	2848
35°	2670	2758	2829
40°	2620	2720	2820
45°	2539	2679	2826
50°	2479	2654	2836
55°	2393	2628	2848
60°	2286	2601	2871
65°	2194	2578	2896
70°	2039	2526	2947
75°	1808	2469	3007
80°	1529	2306	2721
85°	1084	1599	1550



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.1	3.3
10°-20°	276.9	9.4
20°-30°	416.1	14.1
30°-40°	497.8	16.9
40°-50°	516.2	17.5
50°-60°	474.7	16.1
60°-70°	376.8	12.8
70°-80°	232.7	7.9
80°-90°	57.8	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°	790.1	26.8
0°-40°	1287.9	43.7
0°-60°	2278.7	77.4
0°-90°	2946.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2946.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1028	1028	1028	1028	1028	
5°	1017	1020	1023	1026	1026	97
15°	972	975	983	988	988	274
25°	887	893	904	914	915	408
35°	771	779	796	812	817	482
45°	633	644	668	695	704	489
55°	484	496	531	568	576	433
65°	327	341	384	420	431	323
75°	165	187	225	260	274	176
85°	33	43	49	49	48	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1027.8	1027.8	1027.8	1027.8	1027.8
2.5°	1021.4	1022.9	1027.8	1029.4	1029.4
5°	1016.7	1019.8	1022.9	1026.2	1026.2
7.5°	1010.3	1013.5	1018.2	1019.8	1019.8
10°	1000.9	1004.0	1008.7	1011.8	1011.8
12.5°	986.5	991.3	997.6	1000.9	1000.9
15°	972.2	975.4	983.3	988.0	988.0
17.5°	954.9	958.0	966.0	972.2	973.8
20°	934.2	937.3	948.5	954.9	956.4
22.5°	910.4	915.1	927.8	934.2	935.8
25°	886.6	892.9	904.0	913.6	915.1
27.5°	861.3	867.5	878.7	891.3	894.5
30°	832.7	839.1	854.9	866.0	869.1
32.5°	802.6	810.4	826.4	840.6	843.8
35°	770.8	778.8	796.2	812.0	816.8
37.5°	735.9	747.1	766.0	783.5	789.8
40°	707.3	713.7	734.4	755.0	761.3
42.5°	669.3	678.8	701.1	724.8	734.4
45°	632.8	643.9	667.7	694.6	704.2
47.5°	596.4	607.5	634.4	663.0	672.4
50°	561.5	571.0	601.1	632.8	642.4
52.5°	525.0	534.6	566.2	601.1	610.6
55°	483.7	496.4	531.3	567.9	575.7
57.5°	445.7	458.3	494.8	529.7	543.9
60°	402.8	418.8	458.3	493.2	505.9
62.5°	366.3	379.0	423.4	458.3	469.5
65°	326.7	341.0	383.9	420.3	431.4
67.5°	288.7	303.0	344.1	380.7	395.0
70°	245.8	261.6	304.5	341.0	355.2
72.5°	206.2	225.2	263.2	301.4	317.2
75°	164.9	187.2	225.2	260.1	274.3
77.5°	128.5	147.6	184.0	207.8	215.6
80°	93.6	112.7	141.1	157.0	166.5
82.5°	63.4	74.5	96.7	107.8	107.8
85°	33.3	42.9	49.1	49.1	47.6
87.5°	11.1	12.7	9.5	4.7	3.1
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)