

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: P701586

Luminaire Tested: **RX-WO-29HB2750-UNV-22\_5000K**

Issue Date: 8/21/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P701586  
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\_5000K  
Description: 2X2 2900 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 5000K CCT AND ROUND LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

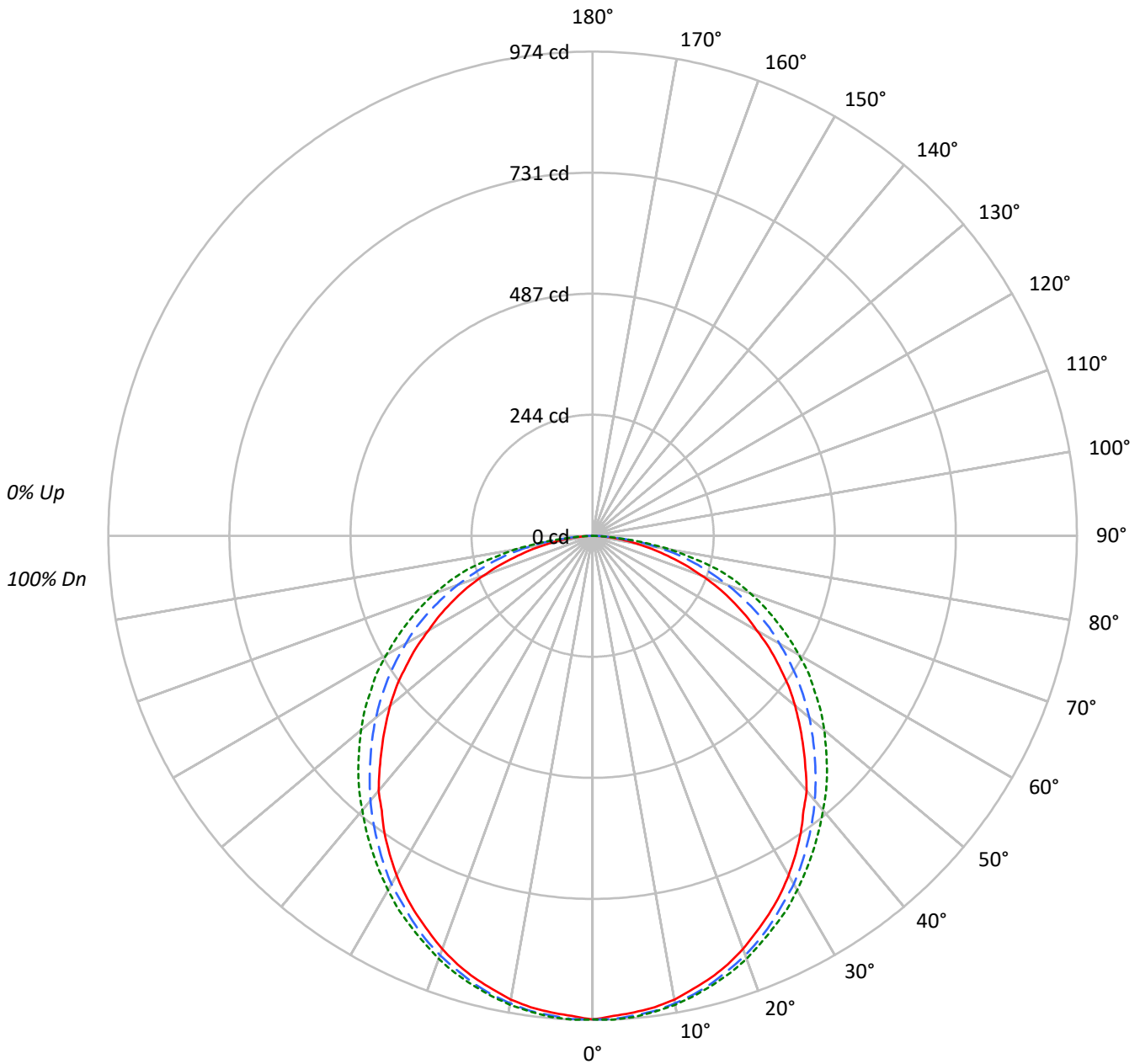
Lumens per Lamp: N/A  
Luminaire Lumens: 2789.0 lumens  
Efficiency: N/A  
Efficacy: 111.6 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36  
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')  
CIE Type: Direct

Input Watts (W): 25  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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					20					
RC	80					70					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°	2761	2761	2761
5°	2742	2758	2767
10°	2730	2751	2760
15°	2704	2735	2748
20°	2671	2711	2734
25°	2628	2679	2713
30°	2583	2652	2696
35°	2528	2611	2679
40°	2480	2575	2670
45°	2404	2537	2675
50°	2346	2512	2684
55°	2265	2488	2696
60°	2164	2462	2718
65°	2077	2440	2742
70°	1931	2392	2790
75°	1711	2337	2847
80°	1448	2183	2575
85°	1029	1514	1465



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	92.0	3.3
10°-20°	262.1	9.4
20°-30°	393.9	14.1
30°-40°	471.2	16.9
40°-50°	488.6	17.5
50°-60°	449.4	16.1
60°-70°	356.7	12.8
70°-80°	220.3	7.9
80°-90°	54.7	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°	748.0	26.8
0°-40°	1219.2	43.7
0°-60°	2157.3	77.4
0°-90°	2789.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2789.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	973	973	973	973	973	
5°	962	966	968	972	972	91
15°	920	923	931	935	935	259
25°	839	845	856	865	866	387
35°	730	737	754	769	773	456
45°	599	610	632	658	667	463
55°	458	470	503	538	545	410
65°	309	323	363	398	408	306
75°	156	177	213	246	260	167
85°	32	41	46	46	45	40
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	973.0	973.0	973.0	973.0	973.0
2.5°	966.9	968.4	973.0	974.5	974.5
5°	962.5	965.5	968.4	971.5	971.5
7.5°	956.4	959.5	964.0	965.5	965.5
10°	947.5	950.5	954.9	957.9	957.9
12.5°	933.9	938.5	944.4	947.5	947.5
15°	920.4	923.4	930.9	935.4	935.4
17.5°	904.0	906.9	914.5	920.4	921.9
20°	884.4	887.4	897.9	904.0	905.5
22.5°	861.9	866.4	878.4	884.4	885.9
25°	839.4	845.3	855.8	864.9	866.4
27.5°	815.4	821.3	831.8	843.8	846.8
30°	788.3	794.4	809.3	819.8	822.8
32.5°	759.8	767.2	782.4	795.8	798.8
35°	729.8	737.3	753.8	768.7	773.3
37.5°	696.7	707.2	725.2	741.8	747.7
40°	669.6	675.7	695.2	714.8	720.7
42.5°	633.6	642.7	663.7	686.2	695.2
45°	599.1	609.6	632.1	657.6	666.7
47.5°	564.6	575.1	600.6	627.7	636.6
50°	531.5	540.6	569.0	599.1	608.1
52.5°	497.0	506.1	536.0	569.0	578.1
55°	457.9	469.9	503.0	537.6	545.0
57.5°	421.9	433.9	468.4	501.5	515.0
60°	381.3	396.4	433.9	467.0	479.0
62.5°	346.8	358.8	400.9	433.9	444.4
65°	309.3	322.8	363.4	397.9	408.4
67.5°	273.3	286.8	325.8	360.4	373.9
70°	232.7	247.7	288.3	322.8	336.3
72.5°	195.3	213.2	249.2	285.3	300.3
75°	156.1	177.2	213.2	246.2	259.7
77.5°	121.6	139.7	174.2	196.7	204.1
80°	88.6	106.7	133.6	148.6	157.6
82.5°	60.0	70.5	91.6	102.1	102.1
85°	31.6	40.6	46.5	46.5	45.0
87.5°	10.5	12.0	9.0	4.4	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)