

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: P701582

Luminaire Tested: **RX-WO-29HB2750-UNV-22\_2700K**

Issue Date: 8/21/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P701582  
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\_2700K  
Description: 2X2 2900 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 2700K CCT AND ROUND LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

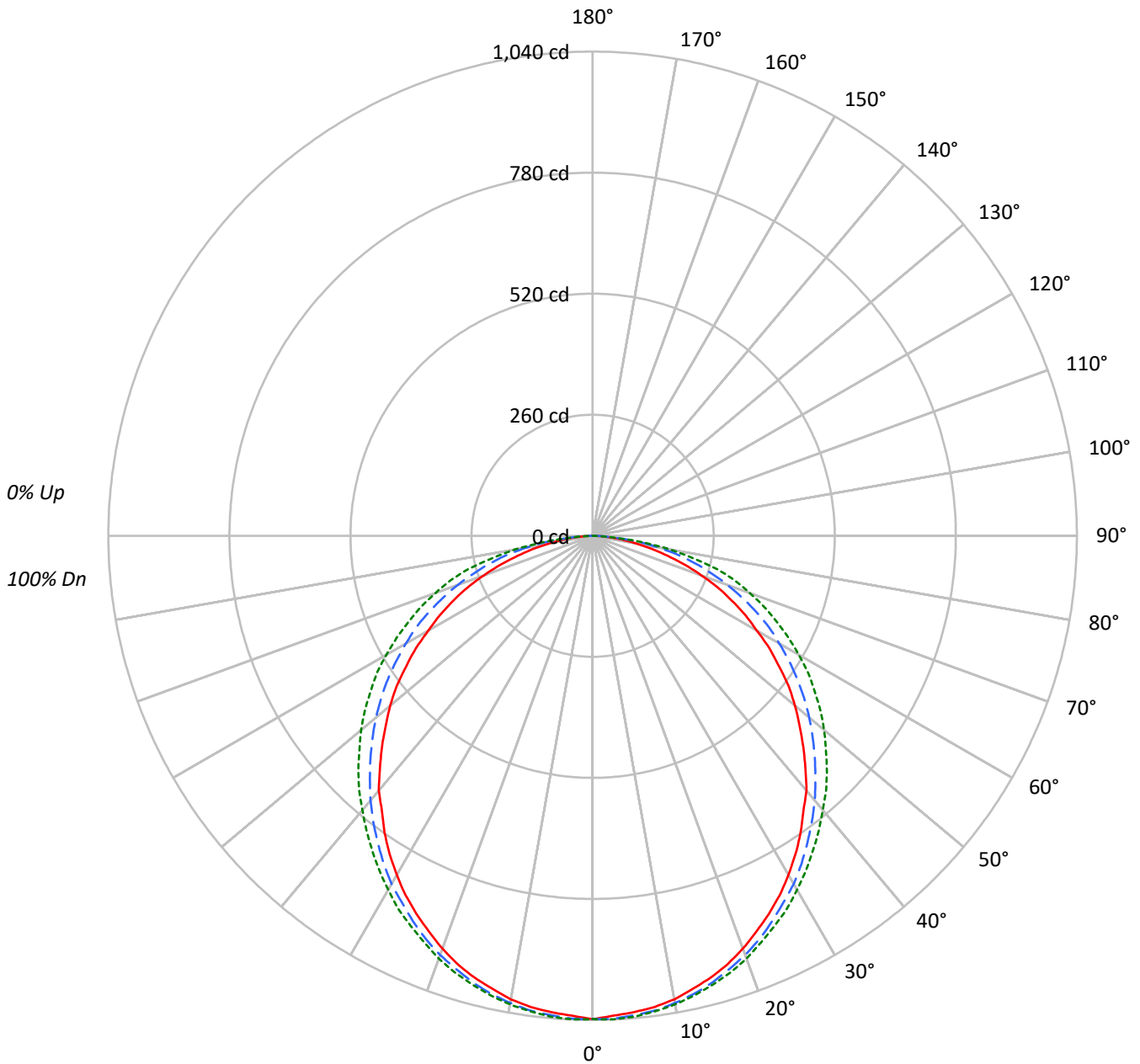
Lumens per Lamp: N/A  
Luminaire Lumens: 2976.0 lumens  
Efficiency: N/A  
Efficacy: 119.0 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36  
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')  
CIE Type: Direct

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°	2946	2946	2946
5°	2925	2944	2953
10°	2913	2936	2945
15°	2885	2918	2932
20°	2850	2893	2918
25°	2804	2859	2894
30°	2756	2830	2877
35°	2697	2786	2858
40°	2647	2748	2848
45°	2565	2707	2855
50°	2504	2680	2865
55°	2417	2655	2877
60°	2309	2628	2901
65°	2216	2604	2926
70°	2060	2552	2977
75°	1827	2494	3038
80°	1544	2330	2749
85°	1097	1615	1566



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	98.1	3.3
10°-20°	279.7	9.4
20°-30°	420.3	14.1
30°-40°	502.8	16.9
40°-50°	521.4	17.5
50°-60°	479.5	16.1
60°-70°	380.6	12.8
70°-80°	235.1	7.9
80°-90°	58.4	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°	798.1	26.8
0°-40°	1301.0	43.7
0°-60°	2301.9	77.3
0°-90°	2976.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2976.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1038	1038	1038	1038	1038	
5°	1027	1030	1033	1037	1037	98
15°	982	985	993	998	998	277
25°	896	902	913	923	924	413
35°	779	787	804	820	825	487
45°	639	650	674	702	711	494
55°	489	501	537	574	582	437
65°	330	344	388	425	436	326
75°	167	189	228	263	277	178
85°	34	43	50	50	48	42
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1038.3	1038.3	1038.3	1038.3	1038.3
2.5°	1031.8	1033.4	1038.3	1039.8	1039.8
5°	1027.0	1030.2	1033.4	1036.7	1036.7
7.5°	1020.6	1023.9	1028.6	1030.2	1030.2
10°	1011.1	1014.2	1019.0	1022.1	1022.1
12.5°	996.5	1001.4	1007.7	1011.1	1011.1
15°	982.1	985.3	993.4	998.1	998.1
17.5°	964.6	967.8	975.8	982.1	983.7
20°	943.7	946.9	958.1	964.6	966.2
22.5°	919.7	924.4	937.2	943.7	945.3
25°	895.7	902.0	913.2	922.9	924.4
27.5°	870.1	876.4	887.6	900.4	903.6
30°	841.1	847.6	863.6	874.8	878.0
32.5°	810.8	818.7	834.8	849.2	852.4
35°	778.7	786.8	804.3	820.3	825.2
37.5°	743.4	754.7	773.8	791.5	797.8
40°	714.5	721.0	741.9	762.7	769.0
42.5°	676.1	685.7	708.2	732.2	741.9
45°	639.3	650.5	674.5	701.7	711.4
47.5°	602.4	613.7	640.8	669.8	679.3
50°	567.2	576.8	607.2	639.3	648.9
52.5°	530.4	540.0	571.9	607.2	616.8
55°	488.6	501.4	536.7	573.7	581.6
57.5°	450.2	463.0	499.8	535.1	549.5
60°	406.9	423.0	463.0	498.3	511.1
62.5°	370.1	382.9	427.8	463.0	474.2
65°	330.1	344.5	387.8	424.6	435.8
67.5°	291.7	306.0	347.6	384.6	399.0
70°	248.3	264.3	307.6	344.5	358.8
72.5°	208.3	227.5	265.9	304.5	320.4
75°	166.6	189.1	227.5	262.7	277.1
77.5°	129.8	149.1	185.9	209.9	217.8
80°	94.5	113.8	142.6	158.6	168.2
82.5°	64.0	75.2	97.7	108.9	108.9
85°	33.7	43.3	49.6	49.6	48.1
87.5°	11.2	12.8	9.6	4.7	3.2
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)