

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: P738015

Luminaire Tested: **14PT-80-PR1-L830**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738015  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-11)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-80-PR1-L830  
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND RIPLE LENS

Light Source: -  
Ballast/Driver: -

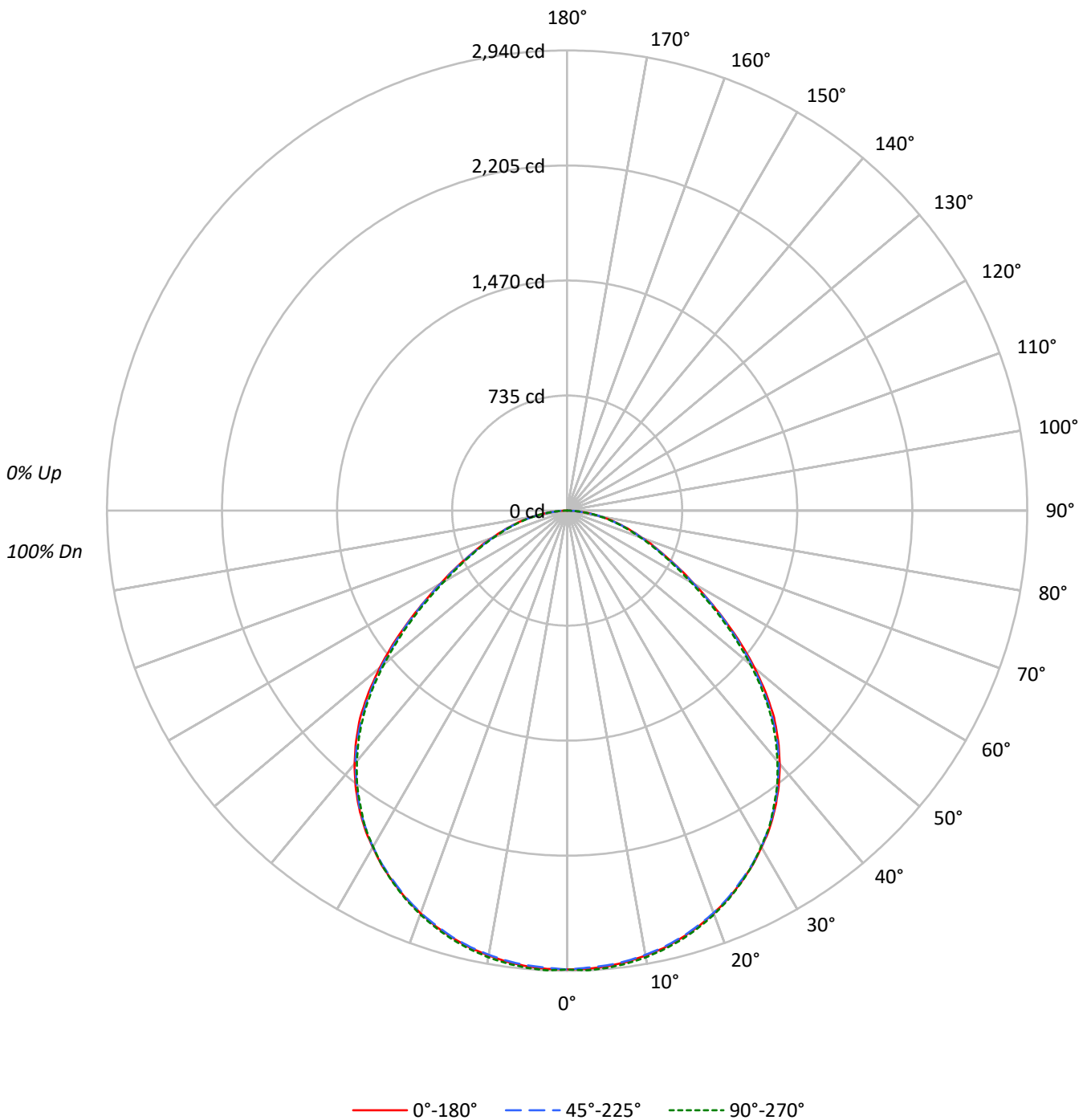
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7414.0 lumens  
Efficiency: N/A  
Efficacy: 104.4 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34  
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')  
CIE Type: Direct

Input Watts (W): 71  
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	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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85																												
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73																												
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62																												
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54																												
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47																												
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41																												
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37																												
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33																												
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30																												
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27																												

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	8789	8789	8789
5°	8797	8778	8826
10°	8790	8774	8822
15°	8773	8760	8802
20°	8736	8726	8760
25°	8679	8658	8690
30°	8603	8592	8581
35°	8484	8464	8430
40°	8270	8237	8179
45°	7926	7837	7779
50°	7292	7209	7121
55°	6453	6426	6300
60°	5608	5588	5437
65°	4942	4912	4815
70°	4485	4421	4329
75°	4150	4053	3980
80°	3791	3738	3610
85°	3000	2965	2855



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	278.1	3.8
10°-20°	798.2	10.8
20°-30°	1209.2	16.3
30°-40°	1443.5	19.5
40°-50°	1419.6	19.1
50°-60°	1097.2	14.8
60°-70°	691.9	9.3
70°-80°	374.2	5.0
80°-90°	102.3	1.4
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°	2285.4	30.8
0°-40°	3728.9	50.3
0°-60°	6245.7	84.2
0°-90°	7414.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7414.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2932	2932	2932	2932	2932	
5°	2923	2924	2917	2930	2933	278
15°	2826	2828	2822	2832	2836	798
25°	2624	2626	2617	2626	2627	1209
35°	2318	2319	2313	2310	2303	1447
45°	1869	1862	1848	1834	1835	1431
55°	1235	1245	1229	1209	1205	1108
65°	697	698	692	681	679	701
75°	358	354	350	352	344	381
85°	87	88	86	87	83	104
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2931.6	2931.6	2931.6	2931.6	2931.6
2.5°	2930.5	2931.6	2923.2	2936.9	2940.0
5°	2923.2	2924.2	2916.9	2929.5	2932.6
7.5°	2908.5	2910.6	2903.2	2915.8	2919.0
10°	2887.5	2889.6	2882.2	2894.8	2898.0
12.5°	2861.2	2862.2	2855.9	2867.5	2870.7
15°	2826.5	2827.6	2822.3	2831.8	2836.0
17.5°	2786.6	2787.6	2780.3	2791.8	2793.9
20°	2738.3	2739.3	2735.1	2744.6	2745.6
22.5°	2684.7	2686.8	2680.5	2688.9	2689.9
25°	2623.7	2625.8	2617.4	2625.8	2626.9
27.5°	2559.6	2560.7	2553.3	2559.6	2558.6
30°	2485.0	2491.3	2481.9	2479.8	2478.7
32.5°	2407.3	2408.3	2398.9	2396.8	2401.0
35°	2318.0	2319.0	2312.7	2309.6	2303.2
37.5°	2220.2	2220.2	2208.7	2206.6	2205.5
40°	2113.1	2112.0	2104.7	2097.3	2089.9
42.5°	1996.4	1998.5	1983.8	1971.2	1969.1
45°	1869.3	1861.9	1848.3	1833.6	1834.6
47.5°	1719.0	1721.1	1702.2	1690.7	1687.5
50°	1563.5	1563.5	1545.7	1533.0	1526.7
52.5°	1400.7	1401.7	1384.9	1368.1	1364.9
55°	1234.6	1245.1	1229.4	1209.4	1205.2
57.5°	1079.1	1087.5	1072.8	1051.8	1050.8
60°	935.2	936.2	932.0	912.1	906.8
62.5°	812.2	807.0	804.9	794.4	788.1
65°	696.6	697.7	692.4	680.9	678.8
67.5°	603.1	602.1	592.6	585.3	581.1
70°	511.7	508.6	504.4	498.1	493.9
72.5°	429.8	429.8	426.6	424.5	417.1
75°	358.3	354.1	349.9	352.0	343.6
77.5°	290.0	285.8	282.7	278.4	276.3
80°	219.6	215.4	216.5	210.2	209.1
82.5°	152.4	152.4	150.3	145.0	146.1
85°	87.2	88.3	86.2	87.2	83.0
87.5°	31.5	32.6	34.7	32.6	32.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)