

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: P738111

Luminaire Tested: **22PT-25-PR1-L830**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738111  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506224)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-25-PR1-L830  
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND RIPLE LENS

Light Source: -  
Ballast/Driver: -

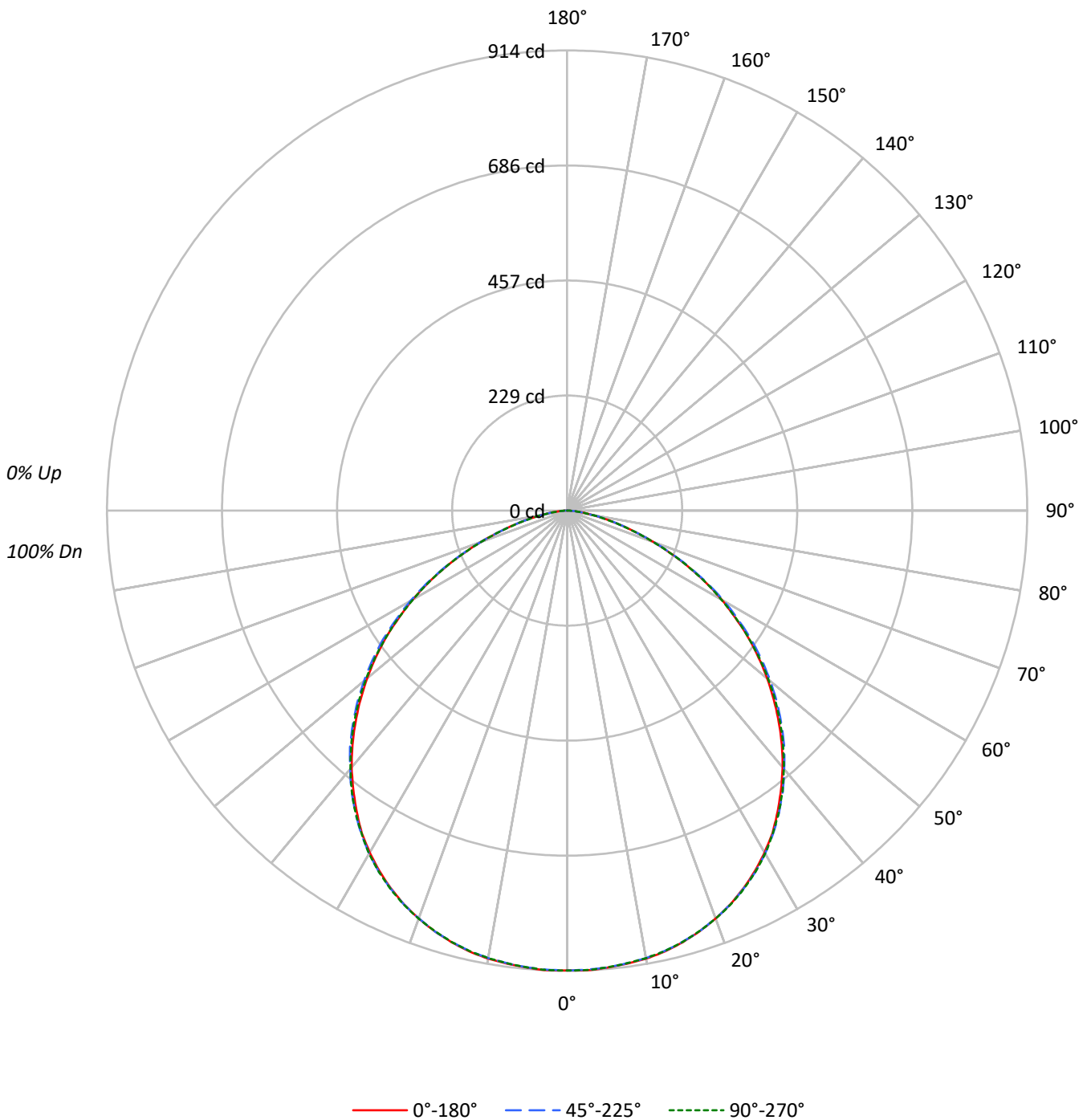
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2441.0 lumens  
Efficiency: N/A  
Efficacy: 131.2 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')  
CIE Type: Direct

Input Watts (W): 18.6  
Input Voltage (V): NR  
Input Current (Ain): 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	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	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46
6	71	58	50	43	70	58	49	43	56	48	43	54	48	43	52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

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

	0°	45°	90°
0°	2677	2677	2677
5°	2681	2679	2679
10°	2689	2685	2685
15°	2692	2690	2690
20°	2688	2688	2690
25°	2677	2680	2682
30°	2653	2661	2662
35°	2608	2623	2621
40°	2547	2565	2562
45°	2463	2495	2483
50°	2364	2400	2380
55°	2244	2279	2247
60°	2080	2108	2073
65°	1856	1875	1853
70°	1561	1561	1551
75°	1224	1224	1210
80°	896	886	881
85°	585	585	595



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.7	3.6
10°-20°	250.3	10.3
20°-30°	381.9	15.6
30°-40°	457.6	18.7
40°-50°	462.2	18.9
50°-60°	395.4	16.2
60°-70°	266.7	10.9
70°-80°	117.6	4.8
80°-90°	22.6	0.9
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°	718.9	29.4
0°-40°	1176.5	48.2
0°-60°	2034.1	83.3
0°-90°	2441.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2441.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	914	914	914	914	914	
5°	911	910	911	910	911	87
15°	888	887	887	886	887	251
25°	828	829	829	829	830	381
35°	729	733	733	732	733	456
45°	594	599	602	601	599	458
55°	439	443	446	446	440	391
65°	268	270	270	270	267	265
75°	108	108	108	108	107	118
85°	17	17	17	18	18	23
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	913.5	913.5	913.5	913.5	913.5
2.5°	914.1	912.9	912.6	912.3	913.5
5°	911.4	910.2	910.8	910.2	910.8
7.5°	908.0	906.8	907.1	906.5	907.1
10°	903.8	902.5	902.5	901.9	902.5
12.5°	897.0	896.1	895.8	895.2	896.1
15°	887.5	887.3	886.7	886.3	886.9
17.5°	876.0	875.4	876.0	875.0	875.6
20°	862.2	862.6	862.0	862.2	862.6
22.5°	846.7	846.7	847.0	847.0	847.6
25°	828.1	828.9	828.9	828.9	829.6
27.5°	807.3	808.5	809.4	808.8	809.4
30°	784.1	786.3	786.5	786.3	786.9
32.5°	759.1	760.6	761.5	760.9	760.3
35°	729.1	733.4	733.2	732.5	732.8
37.5°	697.7	702.0	703.5	702.3	702.6
40°	666.0	669.7	670.5	670.9	669.7
42.5°	630.9	635.2	638.5	637.0	635.2
45°	594.5	599.1	602.2	601.3	599.1
47.5°	557.0	561.3	565.6	564.0	561.9
50°	518.6	522.8	526.5	525.9	522.2
52.5°	479.2	484.1	487.4	486.2	481.3
55°	439.2	443.2	446.2	445.6	439.8
57.5°	395.9	401.0	402.6	401.6	397.4
60°	354.9	358.4	359.8	358.6	353.7
62.5°	311.3	314.1	315.3	315.0	311.6
65°	267.7	269.8	270.4	269.8	267.3
67.5°	222.8	225.9	226.2	226.2	223.7
70°	182.2	183.1	182.2	184.6	181.0
72.5°	142.8	143.4	142.8	142.8	141.3
75°	108.1	108.3	108.1	108.3	106.9
77.5°	78.1	78.7	77.5	78.5	76.9
80°	53.1	53.1	52.5	52.8	52.2
82.5°	33.0	33.6	32.7	32.7	32.4
85°	17.4	17.4	17.4	17.7	17.7
87.5°	6.1	6.1	6.4	6.4	6.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)