

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: P738112

Luminaire Tested: **22PT-25-PR1-L835**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738112  
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-L835  
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND RIPLE LENS

Light Source: -  
Ballast/Driver: -

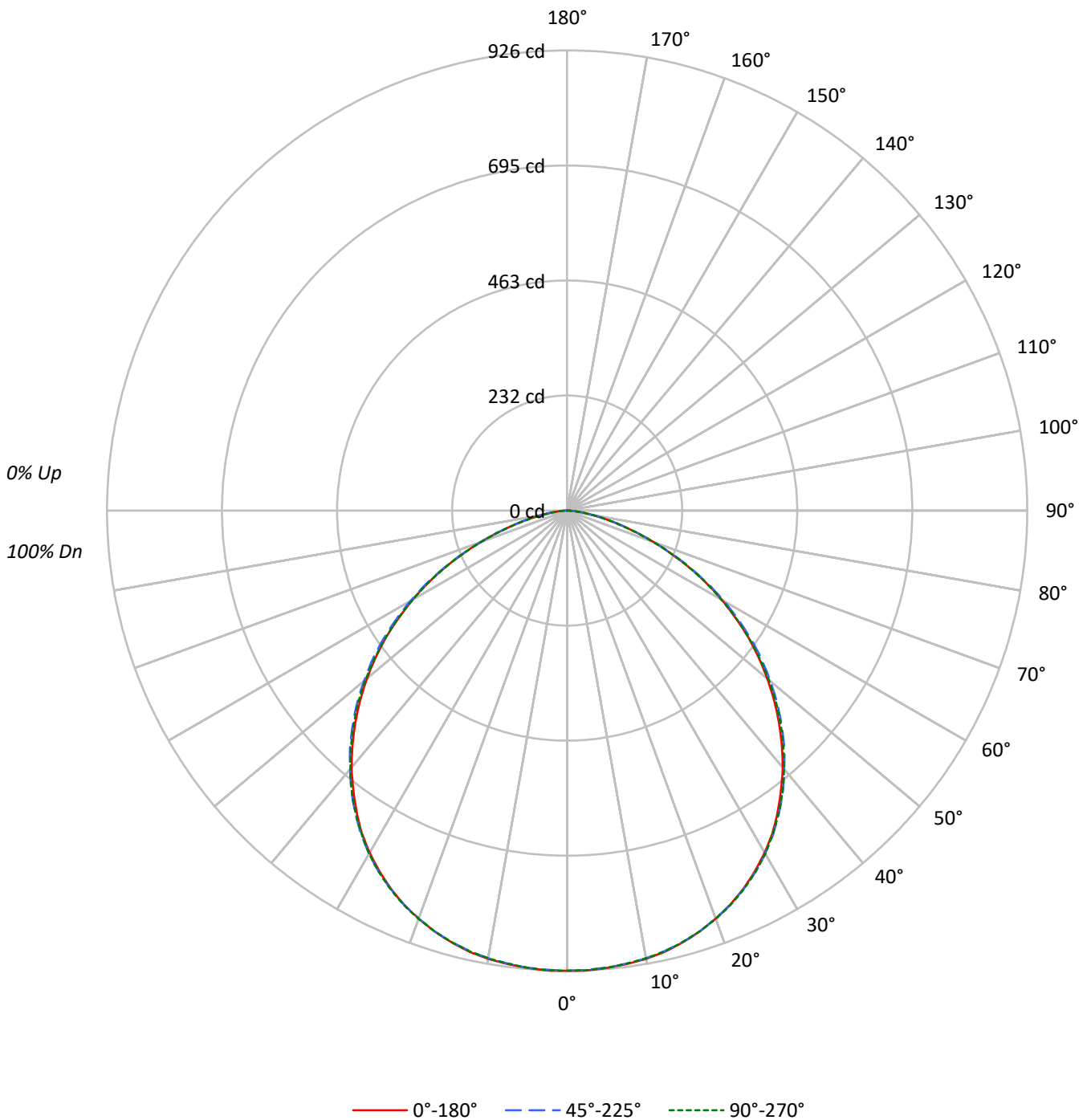
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2474.0 lumens  
Efficiency: N/A  
Efficacy: 133.0 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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48
6	71	58	50	43	70	58	49	43	56	48	43	54	48	43	52	47	42
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28

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

	0°	45°	90°
0°	2713	2713	2713
5°	2717	2715	2715
10°	2725	2721	2721
15°	2729	2726	2727
20°	2725	2724	2726
25°	2713	2716	2718
30°	2689	2697	2698
35°	2643	2658	2657
40°	2582	2599	2596
45°	2497	2529	2516
50°	2396	2432	2412
55°	2274	2310	2277
60°	2108	2137	2101
65°	1881	1900	1878
70°	1582	1582	1572
75°	1240	1240	1226
80°	908	898	893
85°	592	592	605



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	87.8	3.6
10°-20°	253.7	10.3
20°-30°	387.0	15.6
30°-40°	463.8	18.7
40°-50°	468.4	18.9
50°-60°	400.8	16.2
60°-70°	270.3	10.9
70°-80°	119.2	4.8
80°-90°	22.9	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°	728.6	29.4
0°-40°	1192.4	48.2
0°-60°	2061.6	83.3
0°-90°	2474.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2474.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	926	926	926	926	926	
5°	924	922	923	922	923	88
15°	900	899	899	898	899	254
25°	839	840	840	840	841	387
35°	739	743	743	742	743	462
45°	603	607	610	609	607	464
55°	445	449	452	452	446	397
65°	271	274	274	274	271	268
75°	110	110	110	110	108	119
85°	18	18	18	18	18	23
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	925.9	925.9	925.9	925.9	925.9
2.5°	926.5	925.2	924.9	924.6	925.9
5°	923.7	922.5	923.1	922.5	923.1
7.5°	920.3	919.1	919.4	918.7	919.4
10°	916.0	914.7	914.7	914.1	914.7
12.5°	909.1	908.2	907.9	907.3	908.2
15°	899.5	899.3	898.6	898.3	898.9
17.5°	887.8	887.2	887.8	886.9	887.5
20°	873.9	874.2	873.6	873.9	874.2
22.5°	858.1	858.1	858.4	858.4	859.1
25°	839.3	840.1	840.1	840.1	840.8
27.5°	818.2	819.5	820.3	819.7	820.3
30°	794.7	796.9	797.1	796.9	797.5
32.5°	769.3	770.9	771.8	771.2	770.5
35°	739.0	743.3	743.1	742.4	742.7
37.5°	707.1	711.5	713.0	711.8	712.1
40°	675.0	678.7	679.6	679.9	678.7
42.5°	639.4	643.7	647.1	645.6	643.7
45°	602.6	607.2	610.3	609.4	607.2
47.5°	564.6	568.8	573.2	571.6	569.5
50°	525.6	529.9	533.6	533.0	529.2
52.5°	485.6	490.6	494.0	492.8	487.8
55°	445.2	449.2	452.2	451.6	445.8
57.5°	401.2	406.5	408.0	407.1	402.8
60°	359.7	363.2	364.7	363.5	358.5
62.5°	315.5	318.3	319.5	319.3	315.9
65°	271.3	273.5	274.1	273.5	270.9
67.5°	225.9	228.9	229.3	229.3	226.7
70°	184.7	185.6	184.7	187.1	183.5
72.5°	144.8	145.4	144.8	144.8	143.2
75°	109.5	109.8	109.5	109.8	108.3
77.5°	79.2	79.8	78.6	79.5	78.0
80°	53.8	53.8	53.2	53.5	52.9
82.5°	33.4	34.0	33.1	33.1	32.8
85°	17.6	17.6	17.6	18.0	18.0
87.5°	6.2	6.2	6.5	6.5	6.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)