

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: P738096

Luminaire Tested: **22PT-25-PL1-L835**

Issue Date: 2/8/2024



**Test Information**

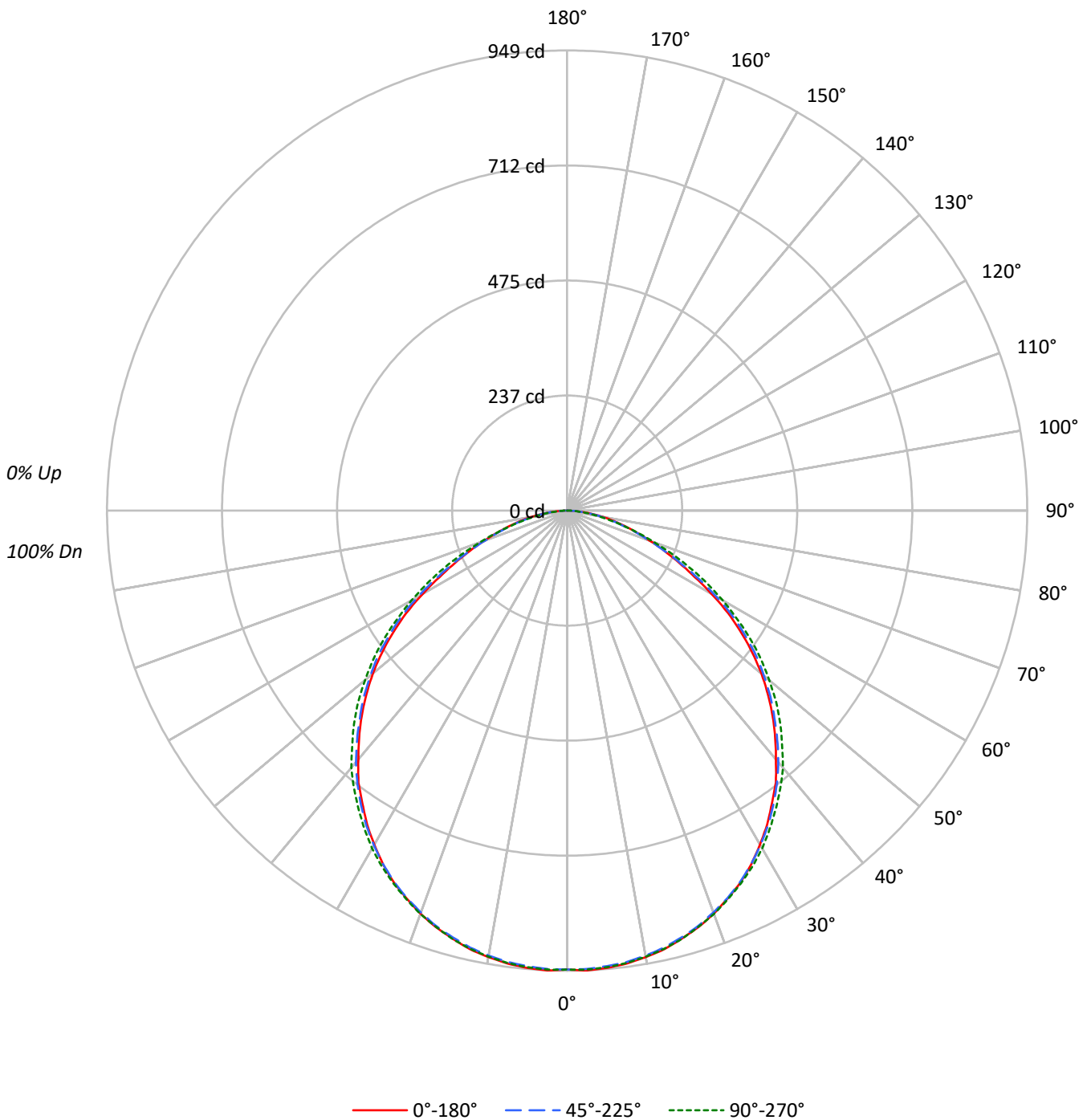
Test Method: LM-79-08  
Report Number: P738096  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2212-851-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-25-PL1-L835  
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LEAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2494.0 lumens  
Efficiency: N/A  
Efficacy: 134.1 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35  
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 (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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52
5	77	65	56	50	75	64	55	49	62	54	49	60	53	48	58	52	48	46
6	71	58	50	43	70	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35
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°	2774	2774	2774
5°	2784	2774	2781
10°	2782	2773	2779
15°	2772	2764	2773
20°	2758	2749	2760
25°	2736	2731	2742
30°	2691	2696	2722
35°	2634	2652	2684
40°	2562	2591	2649
45°	2483	2505	2576
50°	2385	2414	2480
55°	2240	2284	2355
60°	2014	2082	2171
65°	1764	1800	1936
70°	1549	1535	1635
75°	1394	1335	1339
80°	1250	1183	1055
85°	992	978	803



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.8	3.6
10°-20°	257.4	10.3
20°-30°	389.4	15.6
30°-40°	464.3	18.6
40°-50°	468.7	18.8
50°-60°	399.9	16.0
60°-70°	262.8	10.5
70°-80°	128.7	5.2
80°-90°	33.2	1.3
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°	736.6	29.5
0°-40°	1200.8	48.1
0°-60°	2069.4	83.0
0°-90°	2494.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2494.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	947	947	947	947	947	
5°	947	945	943	943	945	90
15°	914	912	911	912	914	258
25°	846	844	845	846	848	389
35°	736	738	742	747	750	461
45°	599	601	604	616	622	462
55°	438	441	447	458	461	390
65°	254	254	260	272	279	255
75°	123	122	118	117	118	132
85°	30	30	29	27	24	35
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	946.6	946.6	946.6	946.6	946.6
2.5°	949.4	947.4	946.2	945.4	947.4
5°	946.6	944.6	943.0	943.0	945.4
7.5°	942.2	940.2	939.0	938.6	941.0
10°	935.0	932.7	931.9	931.5	934.2
12.5°	926.7	923.1	923.1	922.7	925.5
15°	913.9	912.3	911.1	911.5	914.3
17.5°	900.8	899.2	898.4	898.4	900.0
20°	884.5	882.5	881.7	882.5	885.3
22.5°	865.7	864.6	864.6	865.4	867.3
25°	846.2	844.2	844.6	845.8	848.2
27.5°	822.3	821.9	821.9	824.7	827.5
30°	795.3	795.3	796.9	800.8	804.4
32.5°	767.8	767.4	770.6	774.2	778.1
35°	736.3	738.3	741.5	746.7	750.3
37.5°	706.9	706.5	710.4	719.6	722.0
40°	669.8	672.6	677.4	686.5	692.5
42.5°	635.2	637.2	641.5	652.3	656.3
45°	599.3	600.9	604.5	616.5	621.6
47.5°	561.5	563.5	568.7	578.6	584.6
50°	523.3	526.1	529.6	539.2	544.0
52.5°	481.5	485.0	491.4	500.2	503.8
55°	438.4	440.8	447.2	457.6	461.1
57.5°	393.5	395.4	404.6	412.2	415.0
60°	343.7	346.1	355.2	367.2	370.4
62.5°	296.7	298.7	306.6	321.0	325.8
65°	254.5	254.5	259.6	271.6	279.2
67.5°	217.0	216.2	217.0	226.2	234.2
70°	180.8	181.2	179.2	184.8	190.8
72.5°	150.9	150.9	146.9	147.7	152.5
75°	123.1	121.9	117.9	117.1	118.3
77.5°	98.4	96.4	93.2	90.8	88.0
80°	74.1	72.5	70.1	66.5	62.5
82.5°	51.8	50.2	48.6	46.6	42.6
85°	29.5	29.5	29.1	26.7	23.9
87.5°	11.9	11.5	11.2	10.8	10.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)