

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: P738114

Luminaire Tested: **22PT-25-PR1-L850**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738114  
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-L850  
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND RIPLE LENS

Light Source: -  
Ballast/Driver: -

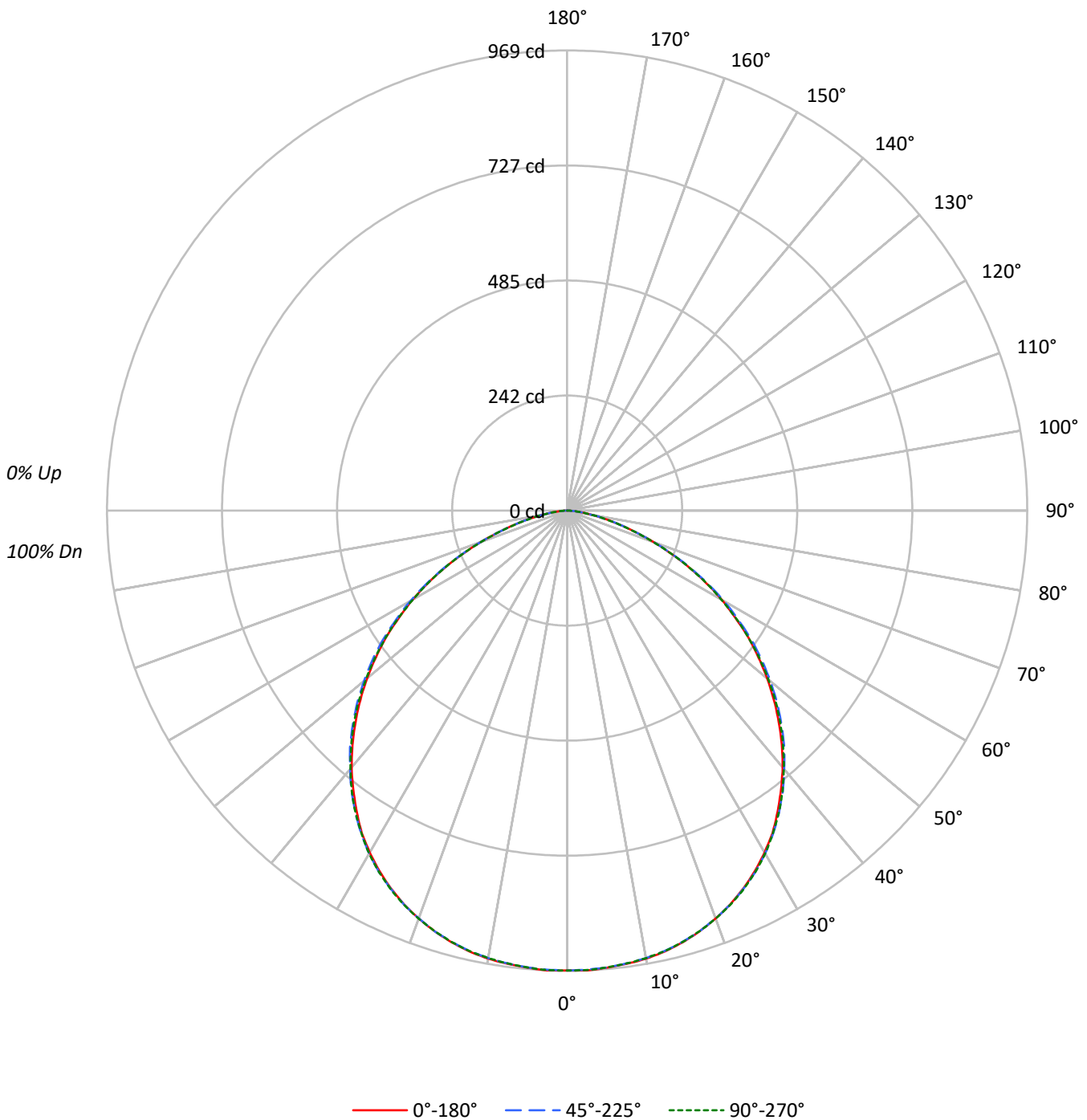
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2588.0 lumens  
Efficiency: N/A  
Efficacy: 139.1 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

TEST NUMBER: P738114  
CATALOG NUMBER: 22PT-25-PR1-L850

### Luminous Intensity Polar Plot





TEST NUMBER: P738114

CATALOG NUMBER: 22PT-25-PR1-L850

**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°	2838	2838	2838
5°	2842	2840	2840
10°	2851	2847	2847
15°	2854	2852	2852
20°	2851	2850	2852
25°	2838	2841	2844
30°	2813	2821	2822
35°	2765	2780	2779
40°	2701	2719	2716
45°	2612	2646	2632
50°	2506	2544	2524
55°	2379	2417	2382
60°	2205	2236	2198
65°	1968	1988	1965
70°	1655	1655	1644
75°	1297	1297	1283
80°	950	938	935
85°	619	619	632



TEST NUMBER: P738114

CATALOG NUMBER: 22PT-25-PR1-L850

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	91.9	3.6
10°-20°	265.4	10.3
20°-30°	404.8	15.6
30°-40°	485.2	18.7
40°-50°	490.0	18.9
50°-60°	419.2	16.2
60°-70°	282.7	10.9
70°-80°	124.7	4.8
80°-90°	23.9	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°	762.1	29.4
0°-40°	1247.3	48.2
0°-60°	2156.6	83.3
0°-90°	2588.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2588.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	968	968	968	968	968	
5°	966	965	966	965	966	92
15°	941	941	940	940	940	266
25°	878	879	879	879	880	404
35°	773	778	777	777	777	483
45°	630	635	638	638	635	486
55°	466	470	473	472	466	415
65°	284	286	287	286	283	280
75°	115	115	115	115	113	125
85°	18	18	18	19	19	24
90°	0	0	0	0	0	



TEST NUMBER: P738114

CATALOG NUMBER: 22PT-25-PR1-L850

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	968.5	968.5	968.5	968.5	968.5
2.5°	969.2	967.9	967.5	967.2	968.5
5°	966.2	965.0	965.6	965.0	965.6
7.5°	962.7	961.4	961.8	961.0	961.8
10°	958.2	956.8	956.8	956.2	956.8
12.5°	951.0	950.1	949.7	949.1	950.1
15°	941.0	940.7	940.1	939.7	940.3
17.5°	928.7	928.1	928.7	927.7	928.4
20°	914.2	914.5	913.9	914.2	914.5
22.5°	897.6	897.6	898.0	898.0	898.6
25°	877.9	878.8	878.8	878.8	879.6
27.5°	855.9	857.2	858.1	857.5	858.1
30°	831.3	833.6	833.9	833.6	834.2
32.5°	804.8	806.4	807.3	806.7	806.1
35°	773.0	777.6	777.3	776.6	777.0
37.5°	739.7	744.3	745.8	744.6	744.9
40°	706.1	710.0	710.9	711.3	710.0
42.5°	668.9	673.4	677.0	675.3	673.4
45°	630.4	635.2	638.5	637.5	635.2
47.5°	590.6	595.1	599.6	598.0	595.8
50°	549.8	554.3	558.2	557.6	553.6
52.5°	508.0	513.2	516.8	515.5	510.3
55°	465.7	469.9	473.1	472.4	466.3
57.5°	419.7	425.2	426.8	425.8	421.4
60°	376.3	379.9	381.5	380.2	375.0
62.5°	330.0	333.0	334.2	334.0	330.4
65°	283.8	286.1	286.7	286.1	283.4
67.5°	236.3	239.5	239.8	239.8	237.2
70°	193.2	194.1	193.2	195.8	191.9
72.5°	151.4	152.1	151.4	151.4	149.8
75°	114.6	114.9	114.6	114.9	113.3
77.5°	82.8	83.5	82.2	83.2	81.6
80°	56.3	56.3	55.6	56.0	55.4
82.5°	34.9	35.6	34.7	34.7	34.3
85°	18.4	18.4	18.4	18.8	18.8
87.5°	6.5	6.5	6.8	6.8	6.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)