

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: P738106

Luminaire Tested: **22PT-25-PP3-L850**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738106  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P412714)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-25-PP3-L850  
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PRISM LENS

Light Source: -  
Ballast/Driver: -

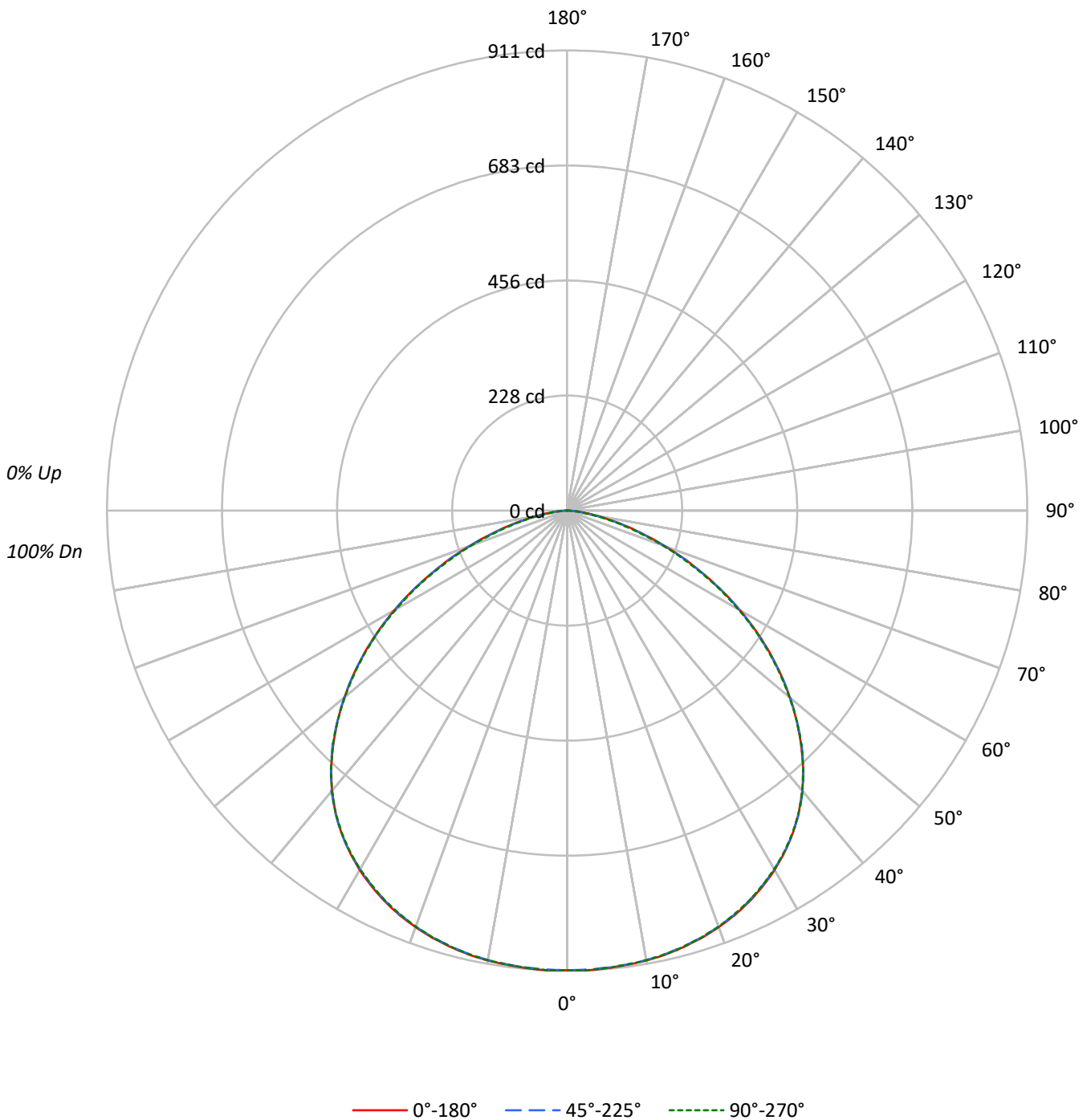
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2611.0 lumens  
Efficiency: N/A  
Efficacy: 140.4 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.43  
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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85				85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72				72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61				61
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	64	58	54	52				52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	47	57	51	47	45				45
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39				39
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35				35
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31				31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28				28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25				25

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

	0°	45°	90°
0°	2666	2666	2666
5°	2675	2671	2673
10°	2691	2688	2690
15°	2713	2710	2710
20°	2736	2733	2733
25°	2761	2755	2755
30°	2780	2775	2774
35°	2788	2788	2784
40°	2770	2775	2770
45°	2715	2722	2718
50°	2623	2627	2621
55°	2498	2491	2487
60°	2319	2313	2295
65°	2071	2069	2045
70°	1770	1760	1721
75°	1411	1369	1328
80°	1006	985	933
85°	652	652	632



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.5	3.3
10°-20°	252.4	9.7
20°-30°	393.1	15.1
30°-40°	486.5	18.6
40°-50°	504.5	19.3
50°-60°	434.8	16.7
60°-70°	295.6	11.3
70°-80°	132.3	5.1
80°-90°	25.2	1.0
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°	732.1	28.0
0°-40°	1218.6	46.7
0°-60°	2157.9	82.6
0°-90°	2611.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2611.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	910	910	910	910	910	
5°	909	908	908	908	909	87
15°	894	893	893	893	893	253
25°	854	853	852	852	852	394
35°	779	778	779	778	778	487
45°	655	654	657	655	656	504
55°	489	487	488	487	487	436
65°	299	301	298	298	295	297
75°	125	125	121	120	117	134
85°	19	20	19	19	19	26
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	910.0	910.0	910.0	910.0	910.0
2.5°	911.3	909.4	909.4	909.8	910.7
5°	909.4	907.6	908.2	907.9	908.8
7.5°	907.0	905.5	906.4	905.8	906.4
10°	904.6	903.0	903.4	903.0	904.0
12.5°	900.3	898.5	899.1	899.1	899.5
15°	894.3	892.7	893.3	892.7	893.3
17.5°	886.9	885.1	885.5	885.1	885.7
20°	877.6	876.4	876.6	876.0	876.4
22.5°	866.9	865.4	865.7	865.1	865.1
25°	853.9	852.6	852.3	852.0	852.3
27.5°	838.6	837.2	837.2	836.8	836.8
30°	821.7	820.1	820.1	819.8	819.8
32.5°	801.5	800.9	801.3	800.7	800.3
35°	779.4	778.4	779.4	778.2	778.4
37.5°	753.6	752.4	754.2	753.0	753.2
40°	724.1	723.5	725.6	724.7	724.1
42.5°	691.3	691.3	692.2	692.5	691.9
45°	655.1	654.5	656.9	655.4	656.0
47.5°	616.2	615.3	617.1	616.8	616.5
50°	575.5	574.9	576.4	574.9	574.9
52.5°	533.3	532.9	533.3	531.7	531.4
55°	488.9	487.1	487.7	486.8	486.8
57.5°	442.7	440.6	440.9	440.6	440.9
60°	395.7	395.0	394.7	393.2	391.7
62.5°	347.3	347.9	347.6	345.5	343.9
65°	298.7	301.2	298.4	297.5	295.0
67.5°	252.8	253.7	251.9	249.8	247.0
70°	206.6	208.4	205.4	203.2	200.9
72.5°	162.6	163.8	161.1	159.9	156.8
75°	124.6	124.9	120.9	120.3	117.3
77.5°	88.7	89.9	86.9	86.9	83.9
80°	59.6	61.7	58.4	57.4	55.3
82.5°	37.4	37.7	36.7	35.9	34.9
85°	19.4	20.0	19.4	18.8	18.8
87.5°	7.3	7.6	7.3	7.0	7.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)