

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: P738102

Luminaire Tested: **22PT-25-PL1-L950**

Issue Date: 2/8/2024



**Test Information**

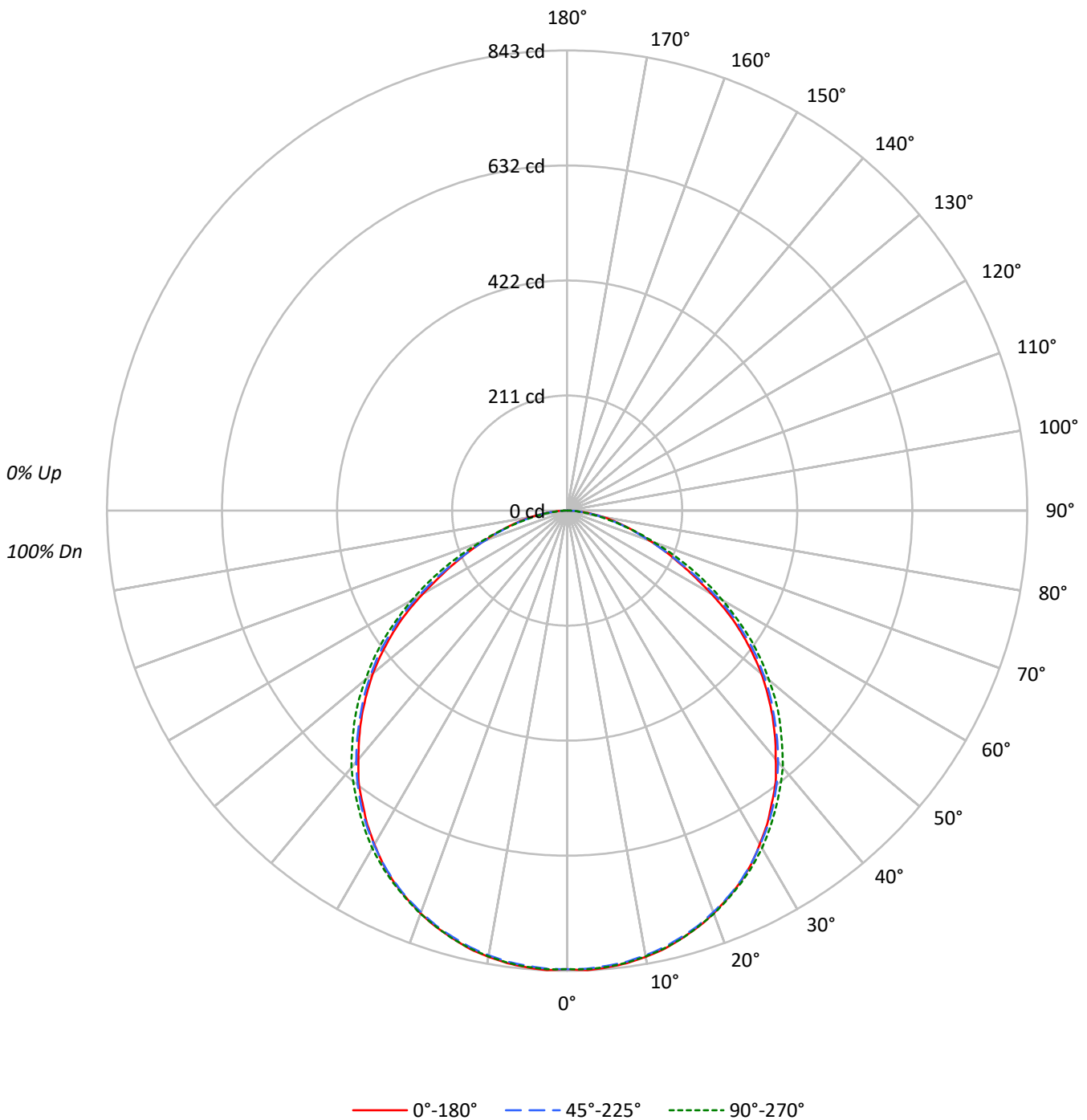
Test Method: LM-79-08  
Report Number: P738102  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2212-851-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-25-PL1-L950  
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND LEAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2214.0 lumens  
Efficiency: N/A  
Efficacy: 119.0 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

TEST NUMBER: P738102  
CATALOG NUMBER: 22PT-25-PL1-L950

### 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°	2462	2462	2462
5°	2472	2462	2469
10°	2470	2461	2468
15°	2461	2454	2462
20°	2448	2441	2451
25°	2429	2424	2434
30°	2389	2393	2416
35°	2338	2355	2382
40°	2274	2300	2352
45°	2204	2224	2287
50°	2117	2143	2201
55°	1988	2028	2091
60°	1788	1848	1927
65°	1566	1598	1718
70°	1375	1363	1450
75°	1236	1184	1189
80°	1110	1050	936
85°	881	867	713



TEST NUMBER: P738102

CATALOG NUMBER: 22PT-25-PL1-L950

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	79.7	3.6
10°-20°	228.5	10.3
20°-30°	345.7	15.6
30°-40°	412.1	18.6
40°-50°	416.1	18.8
50°-60°	355.0	16.0
60°-70°	233.3	10.5
70°-80°	114.2	5.2
80°-90°	29.4	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°	653.9	29.5
0°-40°	1066.0	48.1
0°-60°	1837.1	83.0
0°-90°	2214.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2214.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	840	840	840	840	840	
5°	840	838	837	837	839	80
15°	811	810	809	809	812	229
25°	751	750	750	751	753	346
35°	654	655	658	663	666	409
45°	532	534	537	547	552	410
55°	389	391	397	406	409	346
65°	226	226	230	241	248	226
75°	109	108	105	104	105	117
85°	26	26	26	24	21	31
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	840.3	840.3	840.3	840.3	840.3
2.5°	842.8	841.0	840.0	839.3	841.0
5°	840.3	838.5	837.1	837.1	839.3
7.5°	836.4	834.7	833.6	833.2	835.4
10°	830.1	827.9	827.2	826.9	829.4
12.5°	822.6	819.5	819.5	819.1	821.6
15°	811.3	809.9	808.9	809.2	811.7
17.5°	799.7	798.2	797.5	797.5	799.0
20°	785.2	783.4	782.7	783.4	785.9
22.5°	768.6	767.5	767.5	768.2	770.0
25°	751.2	749.5	749.8	750.9	753.0
27.5°	730.0	729.7	729.7	732.1	734.6
30°	706.0	706.0	707.4	710.9	714.1
32.5°	681.6	681.2	684.1	687.2	690.8
35°	653.7	655.4	658.3	662.8	666.0
37.5°	627.5	627.1	630.7	638.8	640.9
40°	594.6	597.1	601.3	609.5	614.8
42.5°	563.9	565.6	569.5	579.1	582.6
45°	532.0	533.5	536.6	547.2	551.8
47.5°	498.5	500.2	504.8	513.7	519.0
50°	464.5	467.0	470.2	478.7	482.9
52.5°	427.4	430.6	436.2	444.0	447.2
55°	389.2	391.3	397.0	406.2	409.4
57.5°	349.3	351.0	359.2	365.9	368.4
60°	305.1	307.2	315.3	325.9	328.8
62.5°	263.4	265.1	272.2	284.9	289.2
65°	225.9	225.9	230.5	241.1	247.8
67.5°	192.7	192.0	192.7	200.8	207.9
70°	160.5	160.9	159.1	164.0	169.3
72.5°	134.0	134.0	130.4	131.2	135.4
75°	109.2	108.2	104.6	103.9	105.0
77.5°	87.3	85.6	82.7	80.6	78.1
80°	65.8	64.3	62.2	59.0	55.5
82.5°	46.0	44.5	43.1	41.4	37.8
85°	26.2	26.2	25.8	23.7	21.2
87.5°	10.6	10.3	9.9	9.5	8.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)