

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: P738125

Luminaire Tested: **22PT-25-PW1-L940**

Issue Date: 2/8/2024



**Test Information**

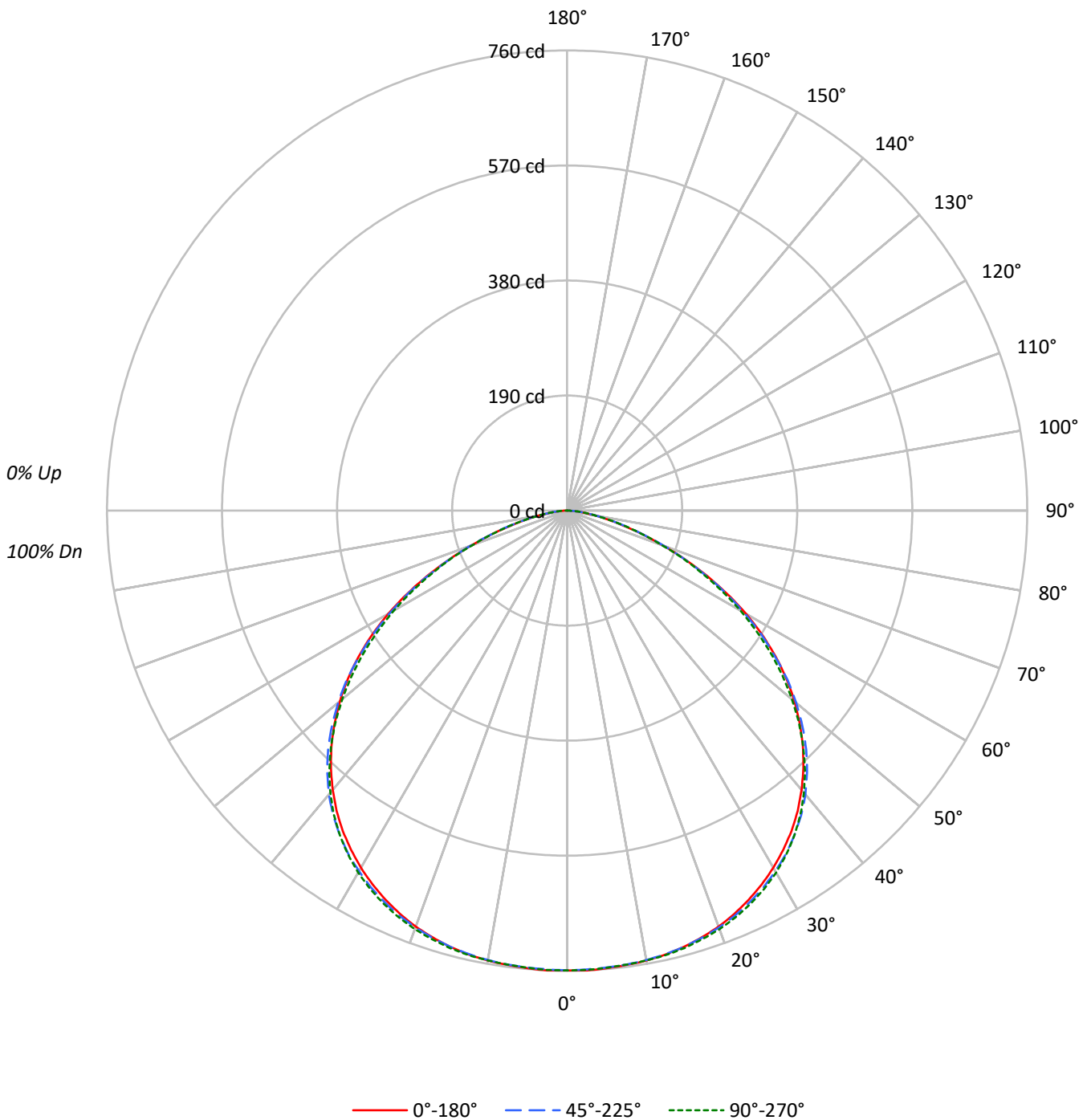
Test Method: LM-79-08  
Report Number: P738125  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506233)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-25-PW1-L940  
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND WAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2195.0 lumens  
Efficiency: N/A  
Efficacy: 118.0 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44  
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	99	96	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

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

	0°	45°	90°
0°	2225	2225	2225
5°	2231	2228	2229
10°	2245	2242	2245
15°	2263	2262	2269
20°	2280	2285	2294
25°	2293	2307	2317
30°	2305	2327	2335
35°	2310	2340	2341
40°	2303	2341	2327
45°	2281	2313	2285
50°	2235	2250	2209
55°	2148	2138	2098
60°	1999	1977	1936
65°	1763	1746	1712
70°	1444	1450	1420
75°	1094	1131	1122
80°	793	823	812
85°	518	538	575



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	72.2	3.3
10°-20°	210.9	9.6
20°-30°	328.8	15.0
30°-40°	407.5	18.6
40°-50°	426.4	19.4
50°-60°	371.6	16.9
60°-70°	248.9	11.3
70°-80°	107.9	4.9
80°-90°	20.8	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°	611.9	27.9
0°-40°	1019.4	46.4
0°-60°	1817.4	82.8
0°-90°	2195.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2195.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	759	759	759	759	759	
5°	758	758	757	757	758	72
15°	746	745	746	747	748	211
25°	709	710	714	716	717	327
35°	646	648	654	655	655	404
45°	550	553	558	554	552	424
55°	420	420	418	414	411	374
65°	254	253	252	249	247	252
75°	97	98	100	99	99	106
85°	15	16	16	16	17	20
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	759.4	759.4	759.4	759.4	759.4
2.5°	760.2	758.8	758.5	758.5	759.4
5°	758.5	757.7	757.4	757.2	757.7
7.5°	756.9	755.8	756.1	755.5	756.1
10°	754.7	753.7	753.7	753.7	754.5
12.5°	750.9	750.1	750.4	750.9	752.0
15°	746.0	744.9	745.8	746.6	748.0
17.5°	739.2	738.4	739.8	741.2	742.3
20°	731.2	730.3	732.7	734.7	735.8
22.5°	721.1	720.8	724.1	726.2	727.0
25°	709.4	709.6	713.5	715.6	716.7
27.5°	696.1	696.7	701.6	703.4	704.5
30°	681.2	682.5	687.7	689.3	690.2
32.5°	664.3	666.3	672.5	673.6	673.6
35°	645.9	648.3	654.3	655.1	654.6
37.5°	625.3	628.0	634.8	633.7	632.9
40°	602.2	605.2	612.0	609.8	608.5
42.5°	577.5	580.5	586.5	583.2	581.3
45°	550.4	553.4	558.3	553.6	551.5
47.5°	521.0	524.6	527.0	521.9	519.2
50°	490.2	491.2	493.7	487.7	484.7
52.5°	456.5	456.5	458.4	451.8	448.3
55°	420.4	420.1	418.5	413.9	410.6
57.5°	382.1	380.5	379.4	374.5	370.7
60°	341.2	338.7	337.3	333.3	330.3
62.5°	298.3	296.9	295.3	292.0	288.8
65°	254.3	252.9	251.8	249.4	247.0
67.5°	210.6	209.8	209.8	208.2	207.9
70°	168.6	169.1	169.3	169.3	165.8
72.5°	130.5	130.8	132.2	131.1	130.8
75°	96.6	98.3	99.9	99.1	99.1
77.5°	69.5	71.9	71.9	71.4	70.6
80°	47.0	48.1	48.8	48.6	48.1
82.5°	29.9	30.7	29.9	30.4	30.7
85°	15.4	16.5	16.0	16.3	17.1
87.5°	5.1	5.7	6.0	5.7	5.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)