

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: P738333

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

Issue Date: 2/8/2024



**Test Information**

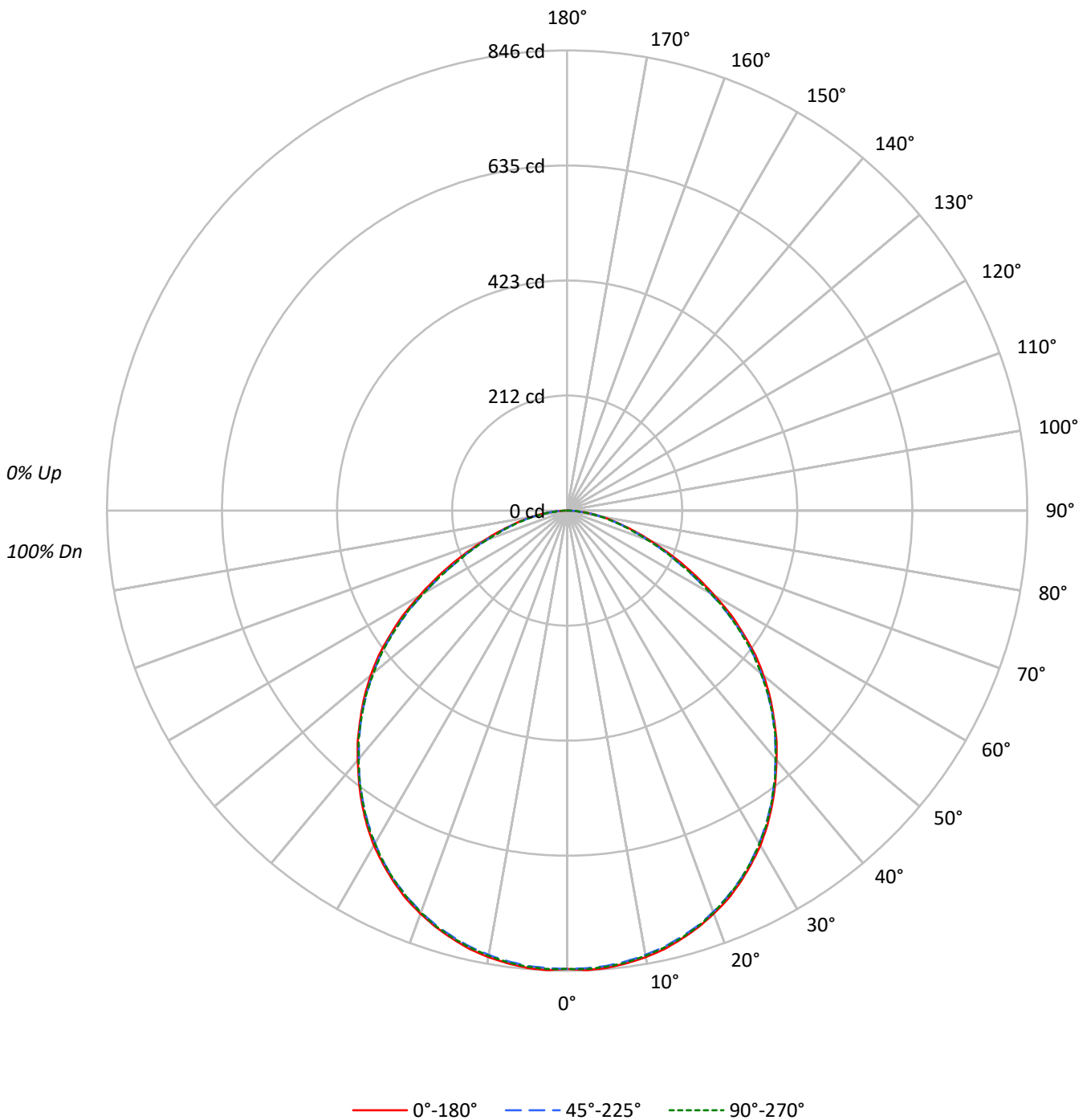
Test Method: LM-79-08  
Report Number: P738333  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-12)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-25-PW1-L940  
Description: 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): 1.25 / 1.24 / 1.34  
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		84	79	76		81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66		74	69	64		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	72	59	50	44	70	58	49	43	56	48	43		54	48	43		53	47	42	40
7	66	53	45	39	65	52	44	38	51	44	38		49	43	38		48	42	38	36
8	62	49	40	35	60	48	40	34	47	39	34		45	39	34		44	38	34	32
9	58	45	37	31	56	44	36	31	43	36	31		42	35	31		41	35	31	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°	2469	2469	2469
5°	2482	2471	2476
10°	2480	2468	2473
15°	2472	2461	2467
20°	2459	2449	2452
25°	2437	2426	2429
30°	2405	2389	2392
35°	2353	2341	2342
40°	2291	2279	2281
45°	2224	2216	2214
50°	2147	2124	2118
55°	2023	1996	1986
60°	1837	1784	1788
65°	1633	1557	1557
70°	1400	1348	1338
75°	1215	1188	1160
80°	1092	1048	1028
85°	867	874	827



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	79.9	3.6
10°-20°	229.2	10.4
20°-30°	345.7	15.8
30°-40°	409.5	18.7
40°-50°	412.2	18.8
50°-60°	348.6	15.9
60°-70°	226.7	10.3
70°-80°	112.8	5.1
80°-90°	30.4	1.4
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°	654.8	29.8
0°-40°	1064.4	48.5
0°-60°	1825.2	83.2
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°	843	843	843	843	843	
5°	844	841	840	840	842	80
15°	815	812	811	811	813	230
25°	754	751	750	750	751	347
35°	658	655	654	654	655	411
45°	537	535	535	534	534	414
55°	396	393	391	389	389	353
65°	236	229	225	223	225	234
75°	107	107	105	102	102	116
85°	26	26	26	26	25	31
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	842.8	842.8	842.8	842.8	842.8
2.5°	845.7	842.8	841.9	841.4	843.6
5°	843.8	840.7	840.0	839.5	841.7
7.5°	839.5	836.6	835.7	835.4	837.6
10°	833.5	830.7	829.5	829.0	831.1
12.5°	825.9	822.8	821.6	821.1	823.0
15°	814.9	812.3	811.3	811.1	813.2
17.5°	802.9	800.3	799.8	799.1	801.3
20°	788.6	786.0	785.3	784.3	786.5
22.5°	772.8	769.7	768.8	768.1	769.7
25°	753.7	751.1	750.4	749.7	751.3
27.5°	732.7	730.8	729.8	729.1	730.1
30°	710.7	707.4	706.2	705.7	707.1
32.5°	685.4	683.0	681.3	681.1	682.8
35°	657.9	655.1	654.4	654.4	654.8
37.5°	628.8	627.4	626.2	625.4	626.9
40°	598.9	598.4	595.8	595.6	596.3
42.5°	569.5	567.6	565.7	566.7	567.2
45°	536.8	534.9	534.9	534.2	534.2
47.5°	505.3	503.4	500.7	501.0	501.5
50°	471.1	468.7	465.9	467.5	464.7
52.5°	436.2	431.9	429.8	429.8	429.5
55°	396.1	392.8	390.8	389.2	388.7
57.5°	357.4	352.4	347.6	348.1	349.8
60°	313.4	311.1	304.4	304.8	305.1
62.5°	273.8	269.2	262.3	262.3	264.7
65°	235.6	229.1	224.6	222.9	224.6
67.5°	198.0	194.5	190.6	188.0	190.4
70°	163.4	161.5	157.4	154.8	156.2
72.5°	135.2	132.6	129.2	127.8	126.4
75°	107.3	107.3	104.9	102.0	102.5
77.5°	84.6	83.9	82.2	81.0	81.0
80°	64.7	64.0	62.1	61.6	60.9
82.5°	44.7	44.9	44.0	43.2	42.3
85°	25.8	26.3	26.0	26.0	24.6
87.5°	11.0	10.0	10.8	10.5	11.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)