

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: P738101

Luminaire Tested: **22PT-25-PL1-L940**

Issue Date: 2/8/2024



**Test Information**

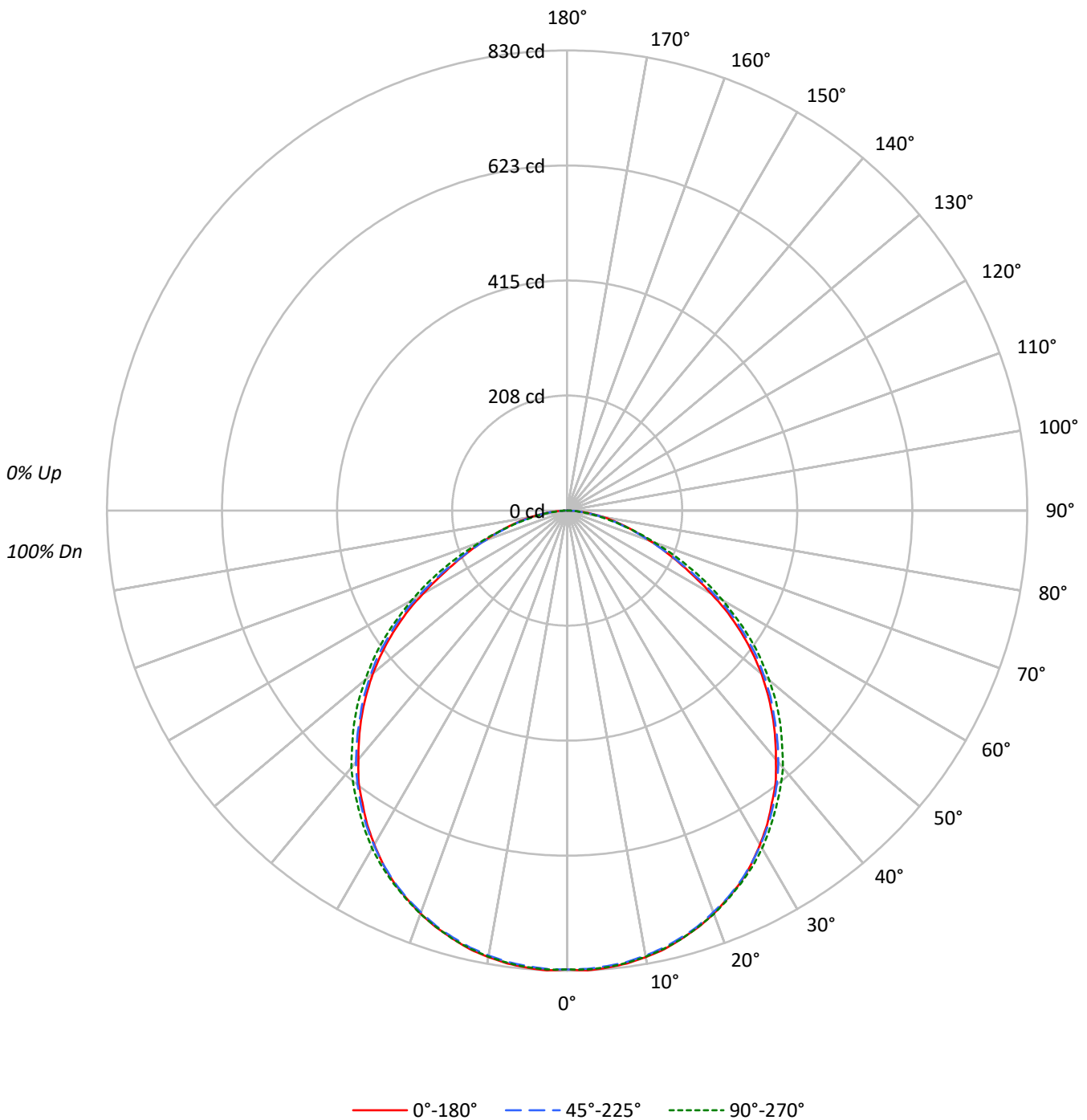
Test Method: LM-79-08  
Report Number: P738101  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2212-851-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-25-PL1-L940  
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LEAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2181.0 lumens  
Efficiency: N/A  
Efficacy: 117.3 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

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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		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°	2426	2426	2426
5°	2435	2426	2432
10°	2433	2425	2431
15°	2424	2417	2426
20°	2412	2404	2414
25°	2392	2388	2398
30°	2353	2358	2380
35°	2303	2319	2347
40°	2241	2266	2316
45°	2172	2190	2253
50°	2086	2111	2168
55°	1959	1998	2060
60°	1761	1820	1898
65°	1543	1575	1692
70°	1354	1342	1429
75°	1218	1167	1171
80°	1093	1034	923
85°	867	854	703



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	78.5	3.6
10°-20°	225.1	10.3
20°-30°	340.5	15.6
30°-40°	406.0	18.6
40°-50°	409.9	18.8
50°-60°	349.7	16.0
60°-70°	229.8	10.5
70°-80°	112.5	5.2
80°-90°	29.0	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°	644.1	29.5
0°-40°	1050.1	48.1
0°-60°	1809.7	83.0
0°-90°	2181.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2181.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	828	828	828	828	828	
5°	828	826	825	825	827	79
15°	799	798	797	797	800	226
25°	740	738	739	740	742	340
35°	644	646	648	653	656	403
45°	524	526	529	539	544	404
55°	383	386	391	400	403	341
65°	222	222	227	238	244	223
75°	108	107	103	102	103	115
85°	26	26	25	23	21	31
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	827.8	827.8	827.8	827.8	827.8
2.5°	830.2	828.5	827.4	826.7	828.5
5°	827.8	826.1	824.7	824.7	826.7
7.5°	824.0	822.2	821.2	820.8	822.9
10°	817.7	815.6	814.9	814.6	817.0
12.5°	810.4	807.2	807.2	806.9	809.3
15°	799.2	797.8	796.8	797.1	799.6
17.5°	787.7	786.3	785.7	785.7	787.0
20°	773.5	771.7	771.0	771.7	774.2
22.5°	757.1	756.1	756.1	756.7	758.5
25°	740.0	738.3	738.6	739.7	741.8
27.5°	719.1	718.8	718.8	721.2	723.7
30°	695.5	695.5	696.8	700.3	703.5
32.5°	671.4	671.1	673.9	677.0	680.5
35°	643.9	645.7	648.4	653.0	656.1
37.5°	618.1	617.8	621.3	629.3	631.4
40°	585.8	588.2	592.4	600.4	605.6
42.5°	555.5	557.2	561.0	570.4	573.9
45°	524.1	525.5	528.6	539.1	543.6
47.5°	491.0	492.8	497.3	506.0	511.2
50°	457.6	460.0	463.2	471.5	475.7
52.5°	421.0	424.2	429.7	437.4	440.5
55°	383.4	385.5	391.1	400.1	403.3
57.5°	344.1	345.8	353.8	360.4	362.9
60°	300.5	302.6	310.6	321.1	323.9
62.5°	259.4	261.2	268.2	280.7	284.9
65°	222.5	222.5	227.1	237.5	244.1
67.5°	189.8	189.1	189.8	197.8	204.8
70°	158.1	158.5	156.7	161.6	166.8
72.5°	132.0	132.0	128.5	129.2	133.4
75°	107.6	106.6	103.1	102.4	103.4
77.5°	86.0	84.3	81.5	79.4	77.0
80°	64.8	63.4	61.3	58.2	54.7
82.5°	45.3	43.9	42.5	40.7	37.3
85°	25.8	25.8	25.4	23.3	20.9
87.5°	10.4	10.1	9.8	9.4	8.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)