

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: P738332

Luminaire Tested: **22PT-25-PW1-L935**

Issue Date: 2/8/2024



**Test Information**

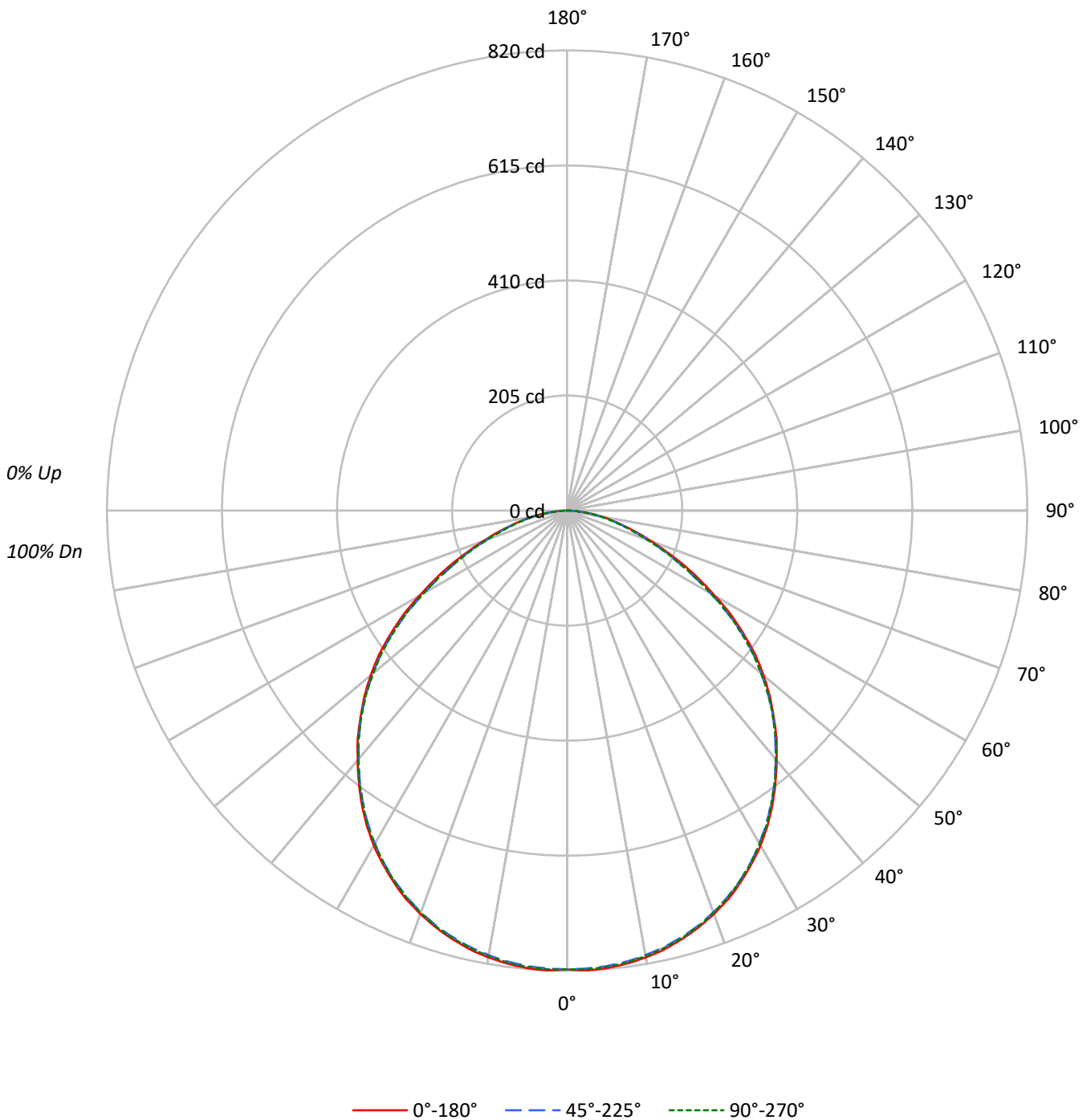
Test Method: LM-79-08  
Report Number: P738332  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-12)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-25-PW1-L935  
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND WAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2129.0 lumens  
Efficiency: N/A  
Efficacy: 114.5 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

TEST NUMBER: P738332  
CATALOG NUMBER: 22PT-25-PW1-L935

### Luminous Intensity Polar Plot





TEST NUMBER: P738332

CATALOG NUMBER: 22PT-25-PW1-L935

**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°	2395	2395	2395
5°	2407	2396	2401
10°	2406	2394	2398
15°	2398	2387	2393
20°	2385	2375	2378
25°	2364	2353	2356
30°	2332	2318	2321
35°	2283	2270	2272
40°	2222	2210	2212
45°	2158	2150	2147
50°	2083	2060	2054
55°	1963	1937	1926
60°	1781	1730	1734
65°	1584	1510	1510
70°	1358	1308	1298
75°	1177	1151	1125
80°	1060	1016	997
85°	840	851	803



TEST NUMBER: P738332

CATALOG NUMBER: 22PT-25-PW1-L935

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	77.5	3.6
10°-20°	222.3	10.4
20°-30°	335.4	15.8
30°-40°	397.2	18.7
40°-50°	399.8	18.8
50°-60°	338.1	15.9
60°-70°	219.8	10.3
70°-80°	109.4	5.1
80°-90°	29.5	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°	635.2	29.8
0°-40°	1032.4	48.5
0°-60°	1770.3	83.2
0°-90°	2129.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2129.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	818	818	818	818	818	
5°	818	815	815	814	816	78
15°	790	788	787	787	789	223
25°	731	728	728	727	729	337
35°	638	635	635	635	635	399
45°	521	519	519	518	518	402
55°	384	381	379	378	377	343
65°	228	222	218	216	218	227
75°	104	104	102	99	99	113
85°	25	26	25	25	24	30
90°	0	0	0	0	0	



TEST NUMBER: P738332

CATALOG NUMBER: 22PT-25-PW1-L935

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	817.5	817.5	817.5	817.5	817.5
2.5°	820.3	817.5	816.6	816.1	818.2
5°	818.4	815.4	814.7	814.3	816.3
7.5°	814.3	811.5	810.6	810.3	812.4
10°	808.5	805.7	804.5	804.1	806.1
12.5°	801.1	798.0	796.9	796.4	798.3
15°	790.4	787.8	786.9	786.7	788.8
17.5°	778.8	776.3	775.8	775.1	777.2
20°	764.9	762.4	761.7	760.7	762.8
22.5°	749.6	746.6	745.7	745.0	746.6
25°	731.1	728.5	727.8	727.1	728.8
27.5°	710.7	708.8	707.9	707.2	708.1
30°	689.4	686.1	685.0	684.5	685.9
32.5°	664.8	662.5	660.9	660.6	662.3
35°	638.2	635.4	634.7	634.7	635.1
37.5°	609.9	608.5	607.3	606.6	608.0
40°	580.9	580.5	577.9	577.7	578.4
42.5°	552.4	550.6	548.7	549.6	550.1
45°	520.7	518.8	518.8	518.1	518.1
47.5°	490.1	488.2	485.7	485.9	486.4
50°	456.9	454.6	451.9	453.5	450.7
52.5°	423.1	418.9	416.9	416.9	416.6
55°	384.2	380.9	379.1	377.5	377.0
57.5°	346.7	341.8	337.2	337.6	339.2
60°	304.0	301.7	295.2	295.7	295.9
62.5°	265.5	261.1	254.4	254.4	256.7
65°	228.5	222.2	217.8	216.2	217.8
67.5°	192.1	188.6	184.9	182.4	184.7
70°	158.5	156.6	152.7	150.2	151.5
72.5°	131.2	128.6	125.4	124.0	122.6
75°	104.0	104.0	101.7	98.9	99.4
77.5°	82.0	81.3	79.7	78.6	78.6
80°	62.8	62.1	60.2	59.8	59.1
82.5°	43.3	43.6	42.6	41.9	41.0
85°	25.0	25.5	25.3	25.3	23.9
87.5°	10.7	9.7	10.4	10.2	11.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)