

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: P738100

Luminaire Tested: **22PT-25-PL1-L935**

Issue Date: 2/8/2024



**Test Information**

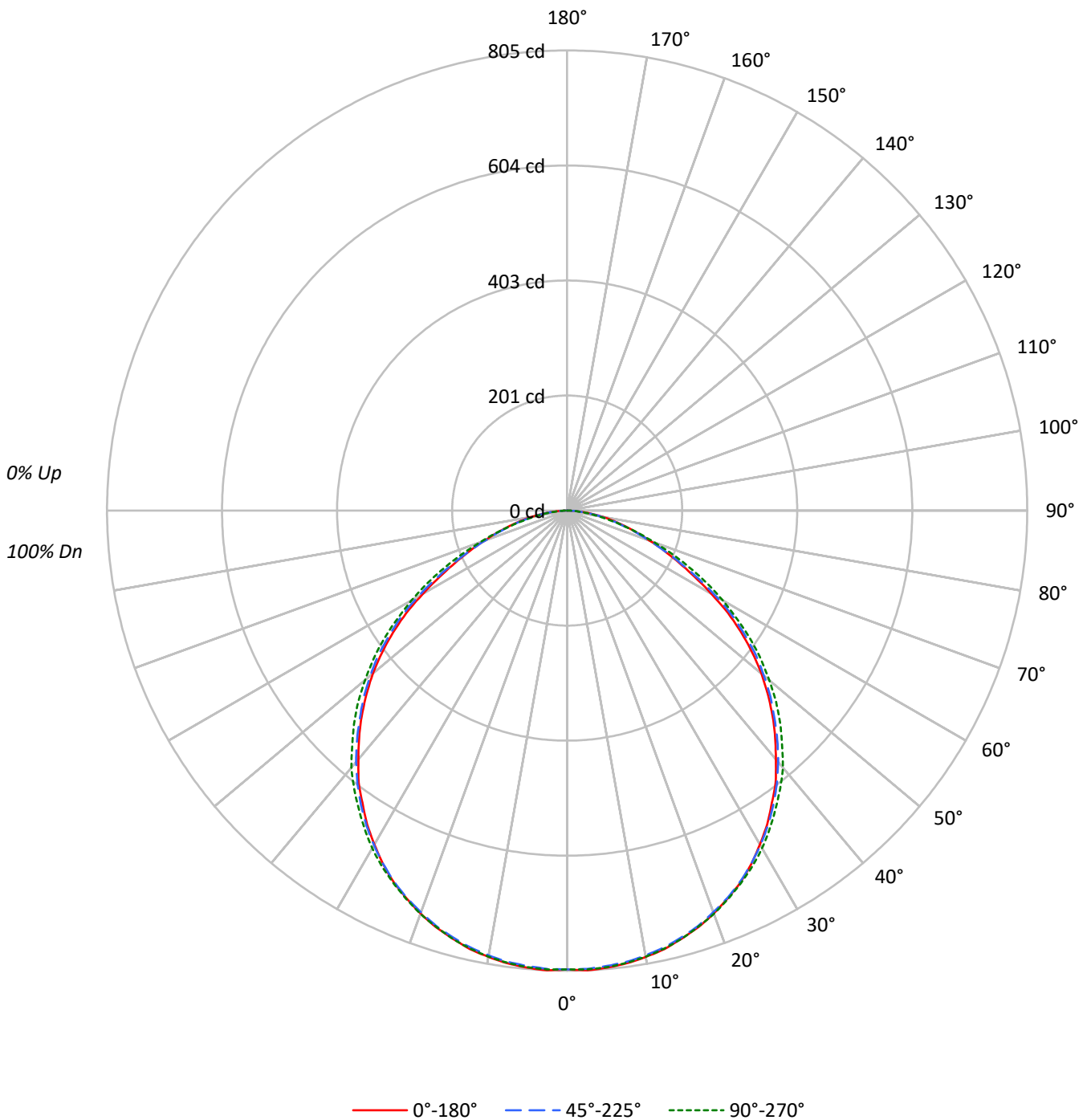
Test Method: LM-79-08  
Report Number: P738100  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2212-851-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-25-PL1-L935  
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LEAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2115.0 lumens  
Efficiency: N/A  
Efficacy: 113.7 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: P738100  
CATALOG NUMBER: 22PT-25-PL1-L935

### 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	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					100			
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85					85			
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72					72			
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61					61			
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52					52			
5	77	65	56	50	75	64	55	49	62	54	49	60	53	48	58	52	48	46					46			
6	71	58	50	43	70	57	49	43	56	48	43	54	47	42	52	47	42	40					40			
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35					35			
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32					32			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29					29			
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26					26			

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

	0°	45°	90°
0°	2352	2352	2352
5°	2361	2352	2358
10°	2359	2351	2357
15°	2351	2344	2352
20°	2339	2331	2341
25°	2320	2316	2325
30°	2282	2286	2308
35°	2233	2249	2276
40°	2173	2197	2246
45°	2106	2124	2185
50°	2023	2048	2103
55°	1899	1938	1998
60°	1708	1765	1841
65°	1496	1527	1641
70°	1313	1302	1386
75°	1182	1132	1135
80°	1060	1002	894
85°	840	830	682



TEST NUMBER: P738100

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.1	3.6
10°-20°	218.3	10.3
20°-30°	330.2	15.6
30°-40°	393.7	18.6
40°-50°	397.5	18.8
50°-60°	339.1	16.0
60°-70°	222.8	10.5
70°-80°	109.1	5.2
80°-90°	28.1	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°	624.6	29.5
0°-40°	1018.3	48.1
0°-60°	1754.9	83.0
0°-90°	2115.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2115.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	803	803	803	803	803	
5°	803	801	800	800	802	76
15°	775	774	773	773	775	219
25°	718	716	716	717	719	330
35°	624	626	629	633	636	391
45°	508	510	513	523	527	392
55°	372	374	379	388	391	331
65°	216	216	220	230	237	216
75°	104	103	100	99	100	112
85°	25	25	25	23	20	30
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	802.7	802.7	802.7	802.7	802.7
2.5°	805.1	803.4	802.4	801.7	803.4
5°	802.7	801.1	799.7	799.7	801.7
7.5°	799.0	797.3	796.3	796.0	798.0
10°	792.9	790.9	790.2	789.9	792.3
12.5°	785.9	782.8	782.8	782.5	784.8
15°	775.0	773.7	772.7	773.0	775.4
17.5°	763.9	762.6	761.9	761.9	763.2
20°	750.1	748.4	747.7	748.4	750.7
22.5°	734.2	733.2	733.2	733.8	735.5
25°	717.6	715.9	716.3	717.3	719.3
27.5°	697.4	697.0	697.0	699.4	701.8
30°	674.4	674.4	675.8	679.1	682.2
32.5°	651.1	650.8	653.5	656.5	659.9
35°	624.4	626.1	628.8	633.2	636.2
37.5°	599.4	599.1	602.5	610.2	612.3
40°	568.0	570.4	574.4	582.2	587.3
42.5°	538.7	540.3	544.1	553.2	556.5
45°	508.3	509.6	512.6	522.8	527.2
47.5°	476.2	477.9	482.3	490.7	495.8
50°	443.8	446.1	449.2	457.3	461.3
52.5°	408.3	411.3	416.7	424.2	427.2
55°	371.8	373.8	379.3	388.0	391.1
57.5°	333.7	335.3	343.1	349.5	351.9
60°	291.4	293.5	301.2	311.4	314.1
62.5°	251.6	253.3	260.0	272.2	276.2
65°	215.8	215.8	220.2	230.3	236.7
67.5°	184.1	183.4	184.1	191.8	198.6
70°	153.3	153.7	152.0	156.7	161.8
72.5°	128.0	128.0	124.6	125.3	129.3
75°	104.4	103.3	100.0	99.3	100.3
77.5°	83.4	81.7	79.0	77.0	74.6
80°	62.8	61.5	59.4	56.4	53.0
82.5°	43.9	42.6	41.2	39.5	36.1
85°	25.0	25.0	24.7	22.6	20.3
87.5°	10.1	9.8	9.5	9.1	8.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)