

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: P738099

Luminaire Tested: **22PT-25-PL1-L930**

Issue Date: 2/8/2024



**Test Information**

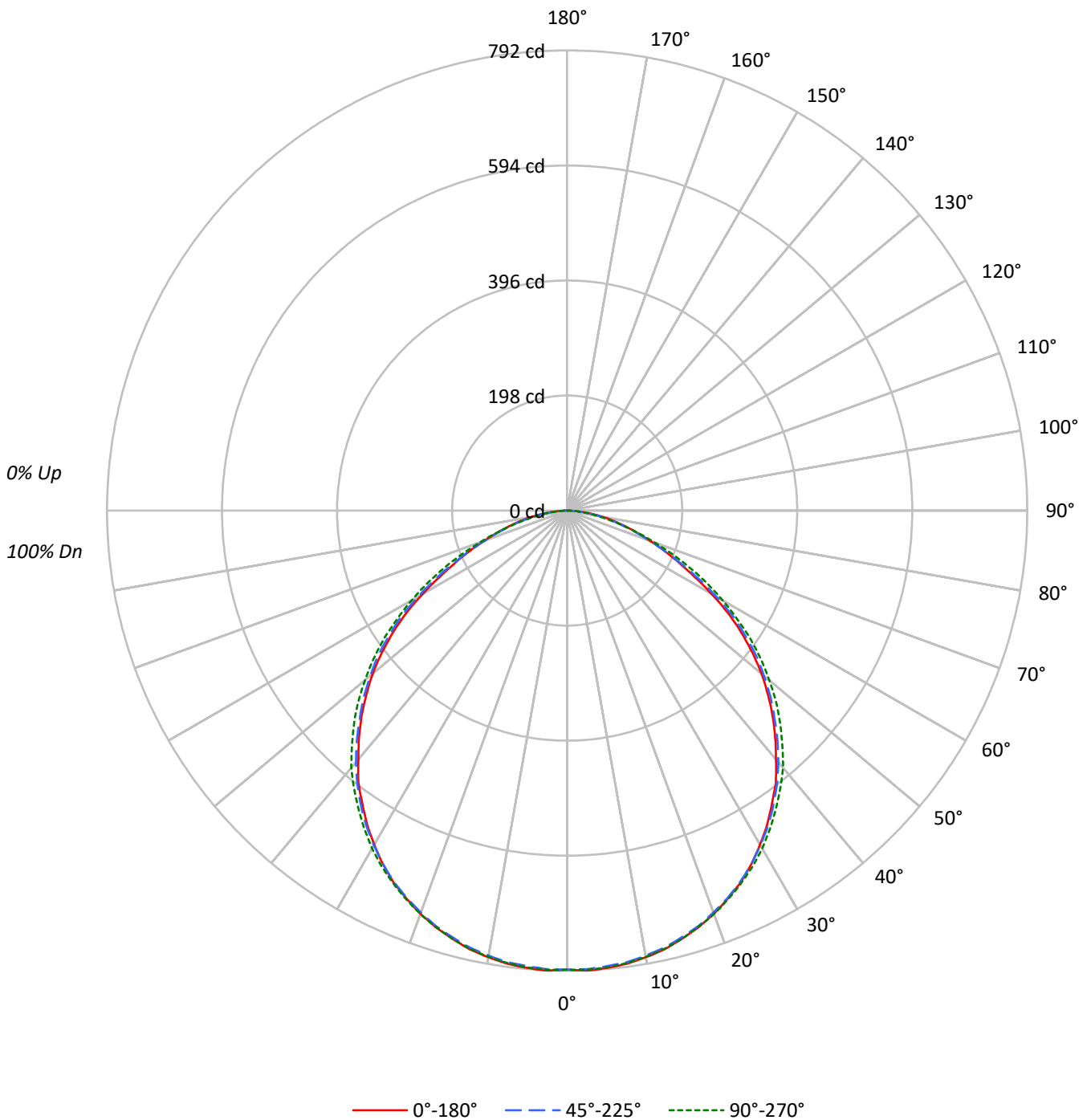
Test Method: LM-79-08  
Report Number: P738099  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2212-851-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-25-PL1-L930  
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND LEAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2082.0 lumens  
Efficiency: N/A  
Efficacy: 111.9 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 (Ain): 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°	2315	2315	2315
5°	2324	2315	2321
10°	2322	2314	2320
15°	2315	2307	2315
20°	2302	2295	2304
25°	2284	2280	2289
30°	2246	2251	2272
35°	2199	2214	2240
40°	2139	2163	2211
45°	2073	2091	2150
50°	1991	2015	2070
55°	1870	1907	1967
60°	1681	1738	1812
65°	1473	1503	1615
70°	1293	1282	1364
75°	1163	1114	1117
80°	1043	987	881
85°	827	817	669



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	74.9	3.6
10°-20°	214.9	10.3
20°-30°	325.0	15.6
30°-40°	387.6	18.6
40°-50°	391.3	18.8
50°-60°	333.8	16.0
60°-70°	219.3	10.5
70°-80°	107.4	5.2
80°-90°	27.7	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°	614.9	29.5
0°-40°	1002.5	48.1
0°-60°	1727.5	83.0
0°-90°	2082.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2082.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	790	790	790	790	790	
5°	790	789	787	787	789	75
15°	763	762	761	761	763	215
25°	706	705	705	706	708	325
35°	615	616	619	623	626	385
45°	500	502	505	515	519	385
55°	366	368	373	382	385	326
65°	212	212	217	227	233	213
75°	103	102	98	98	99	110
85°	25	25	24	22	20	30
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	790.2	790.2	790.2	790.2	790.2
2.5°	792.5	790.9	789.9	789.2	790.9
5°	790.2	788.6	787.2	787.2	789.2
7.5°	786.6	784.9	783.9	783.6	785.6
10°	780.6	778.6	777.9	777.6	779.9
12.5°	773.6	770.6	770.6	770.3	772.6
15°	763.0	761.6	760.6	761.0	763.3
17.5°	752.0	750.7	750.0	750.0	751.3
20°	738.4	736.7	736.0	736.7	739.0
22.5°	722.7	721.7	721.7	722.4	724.1
25°	706.4	704.8	705.1	706.1	708.1
27.5°	686.5	686.2	686.2	688.5	690.8
30°	663.9	663.9	665.2	668.5	671.5
32.5°	640.9	640.6	643.3	646.3	649.6
35°	614.7	616.3	619.0	623.3	626.3
37.5°	590.1	589.8	593.1	600.7	602.7
40°	559.2	561.5	565.5	573.1	578.1
42.5°	530.2	531.9	535.6	544.5	547.9
45°	500.3	501.7	504.6	514.6	518.9
47.5°	468.7	470.4	474.7	483.0	488.0
50°	436.8	439.2	442.1	450.1	454.1
52.5°	401.9	404.9	410.2	417.5	420.5
55°	366.0	368.0	373.3	382.0	385.0
57.5°	328.5	330.1	337.8	344.1	346.4
60°	286.9	288.9	296.5	306.5	309.2
62.5°	247.7	249.3	256.0	267.9	271.9
65°	212.4	212.4	216.8	226.7	233.0
67.5°	181.2	180.5	181.2	188.8	195.5
70°	150.9	151.3	149.6	154.3	159.2
72.5°	126.0	126.0	122.7	123.3	127.3
75°	102.7	101.7	98.4	97.7	98.7
77.5°	82.1	80.5	77.8	75.8	73.5
80°	61.8	60.5	58.5	55.5	52.2
82.5°	43.2	41.9	40.6	38.9	35.6
85°	24.6	24.6	24.3	22.3	19.9
87.5°	10.0	9.6	9.3	9.0	8.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)