

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: P738330

Luminaire Tested: **22PT-25-PW1-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738330
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-L850
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

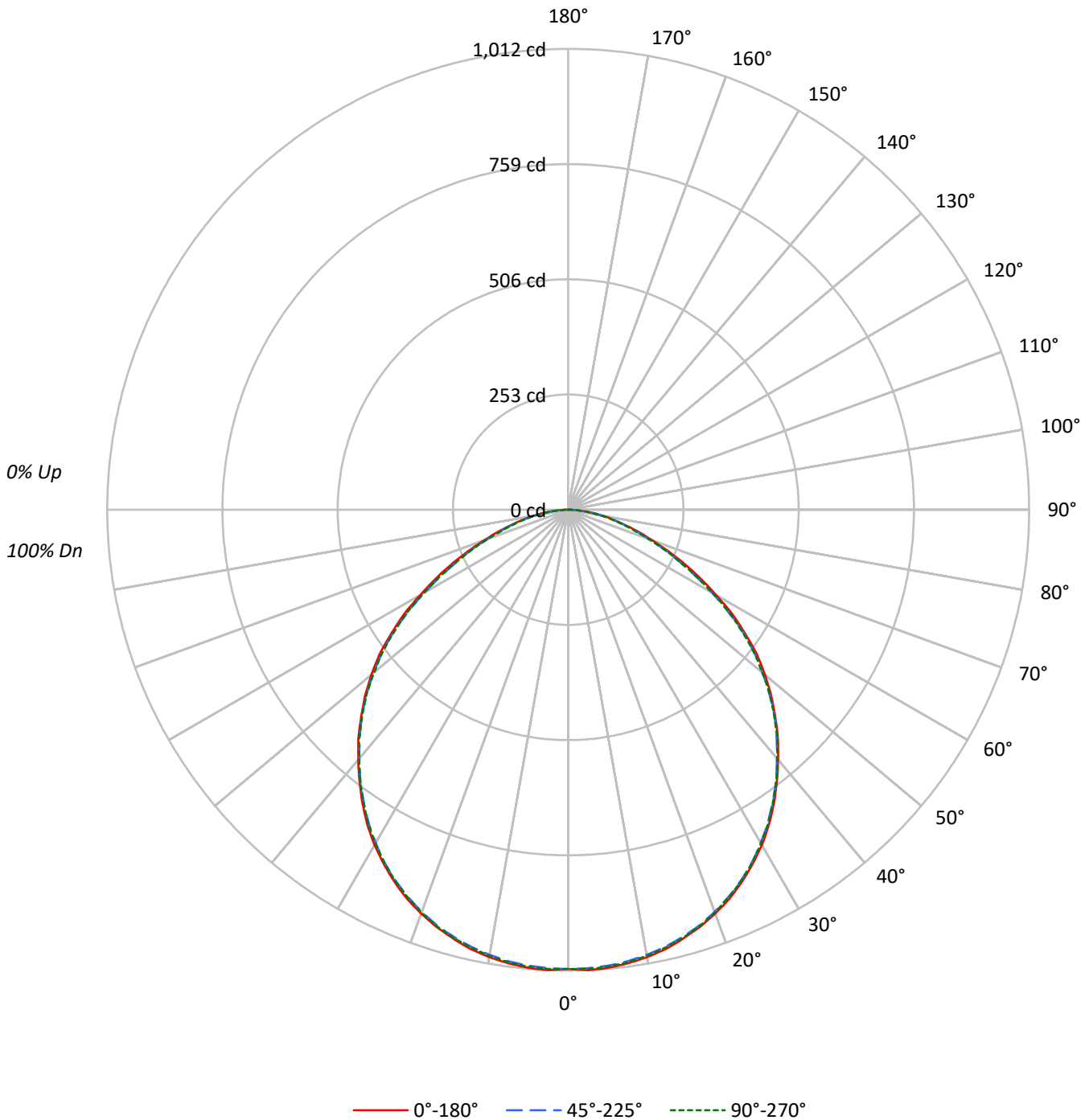
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2627.0 lumens
Efficiency: N/A
Efficacy: 141.2 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_{in}): 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°	2956	2956	2956
5°	2970	2957	2963
10°	2968	2954	2959
15°	2958	2945	2952
20°	2943	2930	2935
25°	2916	2904	2907
30°	2878	2860	2863
35°	2816	2801	2803
40°	2742	2728	2730
45°	2662	2653	2649
50°	2570	2541	2535
55°	2422	2390	2376
60°	2198	2135	2140
65°	1954	1864	1864
70°	1676	1614	1602
75°	1454	1421	1389
80°	1308	1254	1230
85°	1039	1049	988



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.6	3.6
10°-20°	274.3	10.4
20°-30°	413.8	15.8
30°-40°	490.1	18.7
40°-50°	493.4	18.8
50°-60°	417.2	15.9
60°-70°	271.3	10.3
70°-80°	135.0	5.1
80°-90°	36.4	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°	783.7	29.8
0°-40°	1273.8	48.5
0°-60°	2184.4	83.2
0°-90°	2627.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2627.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1009	1009	1009	1009	1009	
5°	1010	1006	1005	1005	1007	96
15°	975	972	971	971	973	275
25°	902	899	898	897	899	415
35°	787	784	783	783	784	492
45°	642	640	640	639	639	496
55°	474	470	468	466	465	423
65°	282	274	269	267	269	280
75°	128	128	126	122	123	139
85°	31	32	31	31	29	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1008.7	1008.7	1008.7	1008.7	1008.7
2.5°	1012.2	1008.7	1007.6	1007.0	1009.6
5°	1009.9	1006.2	1005.3	1004.7	1007.3
7.5°	1004.7	1001.3	1000.1	999.9	1002.4
10°	997.6	994.1	992.7	992.1	994.7
12.5°	988.4	984.7	983.3	982.7	985.0
15°	975.3	972.1	971.0	970.7	973.3
17.5°	961.0	957.8	957.3	956.4	959.0
20°	943.8	940.7	939.8	938.7	941.3
22.5°	925.0	921.2	920.1	919.2	921.2
25°	902.1	898.9	898.1	897.2	899.2
27.5°	876.9	874.6	873.5	872.6	873.8
30°	850.6	846.6	845.2	844.6	846.3
32.5°	820.3	817.4	815.4	815.2	817.2
35°	787.4	784.0	783.1	783.1	783.7
37.5°	752.5	750.8	749.4	748.5	750.3
40°	716.8	716.2	713.1	712.8	713.7
42.5°	681.6	679.3	677.1	678.2	678.8
45°	642.5	640.2	640.2	639.3	639.3
47.5°	604.7	602.4	599.3	599.6	600.1
50°	563.8	561.0	557.5	559.5	556.1
52.5°	522.1	516.9	514.4	514.4	514.1
55°	474.1	470.1	467.8	465.8	465.2
57.5°	427.7	421.7	416.0	416.6	418.6
60°	375.1	372.3	364.3	364.8	365.1
62.5°	327.7	322.2	313.9	313.9	316.8
65°	281.9	274.2	268.8	266.8	268.8
67.5°	237.0	232.7	228.2	225.0	227.9
70°	195.6	193.3	188.4	185.3	187.0
72.5°	161.8	158.7	154.7	153.0	151.3
75°	128.4	128.4	125.5	122.1	122.7
77.5°	101.2	100.4	98.4	96.9	96.9
80°	77.5	76.6	74.3	73.8	72.9
82.5°	53.5	53.8	52.6	51.8	50.6
85°	30.9	31.5	31.2	31.2	29.4
87.5°	13.2	12.0	12.9	12.6	13.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)