

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: P738098

Luminaire Tested: **22PT-25-PL1-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738098
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-L850
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

Summary

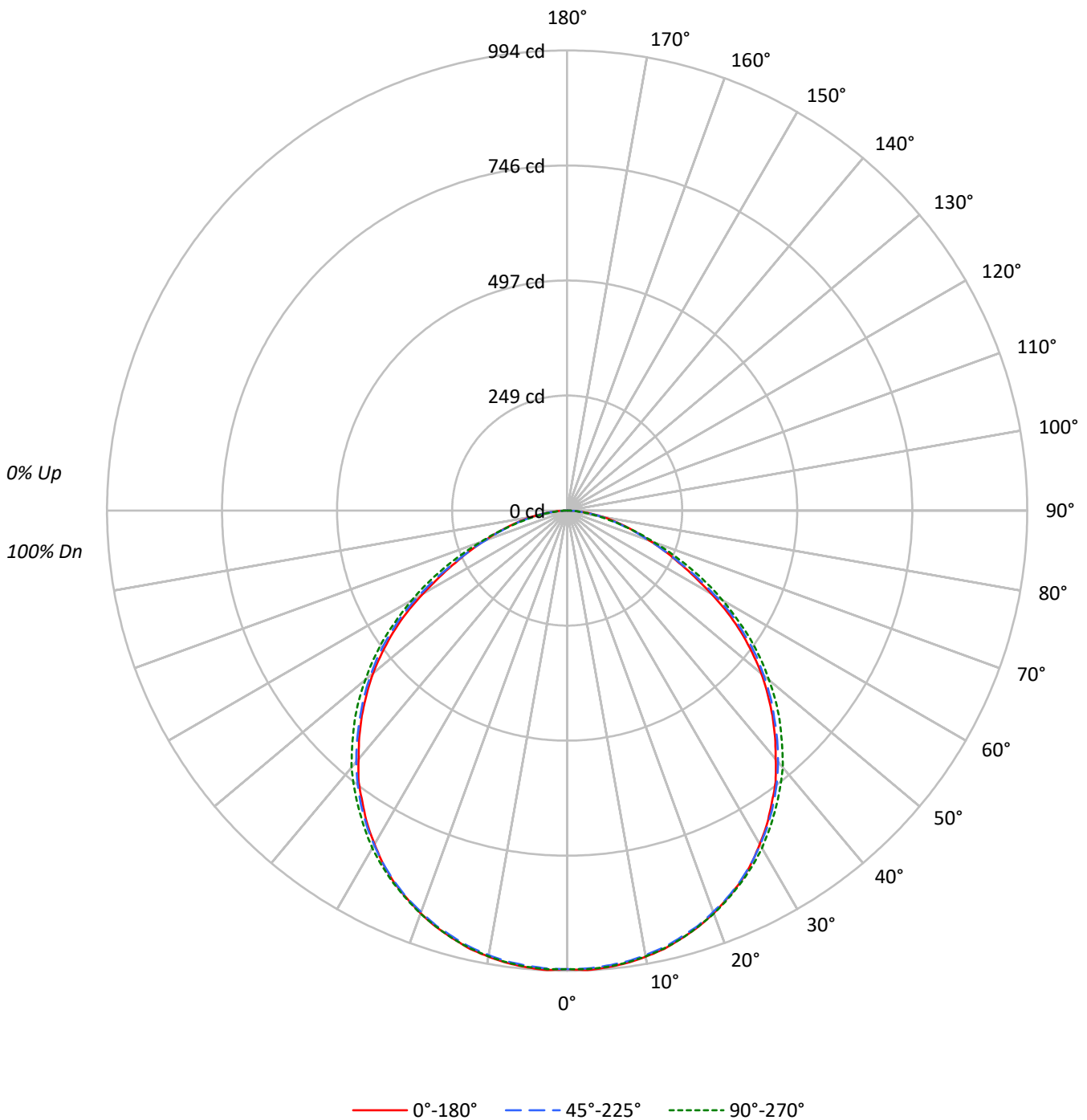
Lumens per Lamp: N/A
Luminaire Lumens: 2610.0 lumens
Efficiency: N/A
Efficacy: 140.3 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

Input Watts (W): 18.6
Input Voltage (V): NR
Input Current (A_{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	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°	2903	2903	2903
5°	2914	2903	2910
10°	2911	2901	2909
15°	2901	2892	2903
20°	2886	2877	2889
25°	2863	2858	2870
30°	2816	2821	2848
35°	2756	2776	2809
40°	2681	2711	2772
45°	2599	2621	2696
50°	2496	2527	2595
55°	2344	2391	2465
60°	2108	2178	2271
65°	1846	1884	2025
70°	1621	1606	1710
75°	1458	1397	1402
80°	1308	1237	1104
85°	1035	1022	840



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.9	3.6
10°-20°	269.4	10.3
20°-30°	407.5	15.6
30°-40°	485.8	18.6
40°-50°	490.5	18.8
50°-60°	418.5	16.0
60°-70°	275.0	10.5
70°-80°	134.6	5.2
80°-90°	34.7	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°	770.8	29.5
0°-40°	1256.7	48.1
0°-60°	2165.7	83.0
0°-90°	2610.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2610.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	991	991	991	991	991	
5°	991	988	987	987	989	94
15°	956	955	954	954	957	270
25°	886	884	884	885	888	407
35°	771	773	776	781	785	482
45°	627	629	633	645	650	483
55°	459	461	468	479	483	408
65°	266	266	272	284	292	267
75°	129	128	123	122	124	138
85°	31	31	30	28	25	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	990.6	990.6	990.6	990.6	990.6
2.5°	993.5	991.5	990.2	989.4	991.5
5°	990.6	988.5	986.9	986.9	989.4
7.5°	986.0	983.9	982.7	982.3	984.8
10°	978.5	976.0	975.2	974.8	977.7
12.5°	969.8	966.0	966.0	965.6	968.5
15°	956.4	954.8	953.5	953.9	956.9
17.5°	942.7	941.0	940.2	940.2	941.9
20°	925.6	923.5	922.7	923.5	926.4
22.5°	906.0	904.8	904.8	905.6	907.7
25°	885.6	883.5	883.9	885.2	887.7
27.5°	860.6	860.2	860.2	863.1	866.0
30°	832.3	832.3	833.9	838.1	841.8
32.5°	803.5	803.1	806.4	810.2	814.3
35°	770.6	772.7	776.0	781.4	785.2
37.5°	739.7	739.3	743.5	753.1	755.6
40°	701.0	703.9	708.9	718.5	724.7
42.5°	664.7	666.8	671.4	682.6	686.8
45°	627.2	628.9	632.6	645.1	650.5
47.5°	587.6	589.7	595.1	605.5	611.8
50°	547.6	550.5	554.3	564.3	569.3
52.5°	503.9	507.6	514.3	523.4	527.2
55°	458.8	461.3	468.0	478.8	482.6
57.5°	411.8	413.8	423.4	431.3	434.3
60°	359.7	362.2	371.7	384.2	387.6
62.5°	310.5	312.6	320.9	335.9	340.9
65°	266.3	266.3	271.7	284.2	292.1
67.5°	227.1	226.3	227.1	236.7	245.0
70°	189.2	189.6	187.5	193.4	199.6
72.5°	157.9	157.9	153.8	154.6	159.6
75°	128.8	127.5	123.4	122.5	123.8
77.5°	102.9	100.9	97.5	95.0	92.1
80°	77.5	75.8	73.3	69.6	65.4
82.5°	54.2	52.5	50.8	48.8	44.6
85°	30.8	30.8	30.4	27.9	25.0
87.5°	12.5	12.1	11.7	11.3	10.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)