

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: P738329

Luminaire Tested: **22PT-25-PW1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738329
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-L840
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

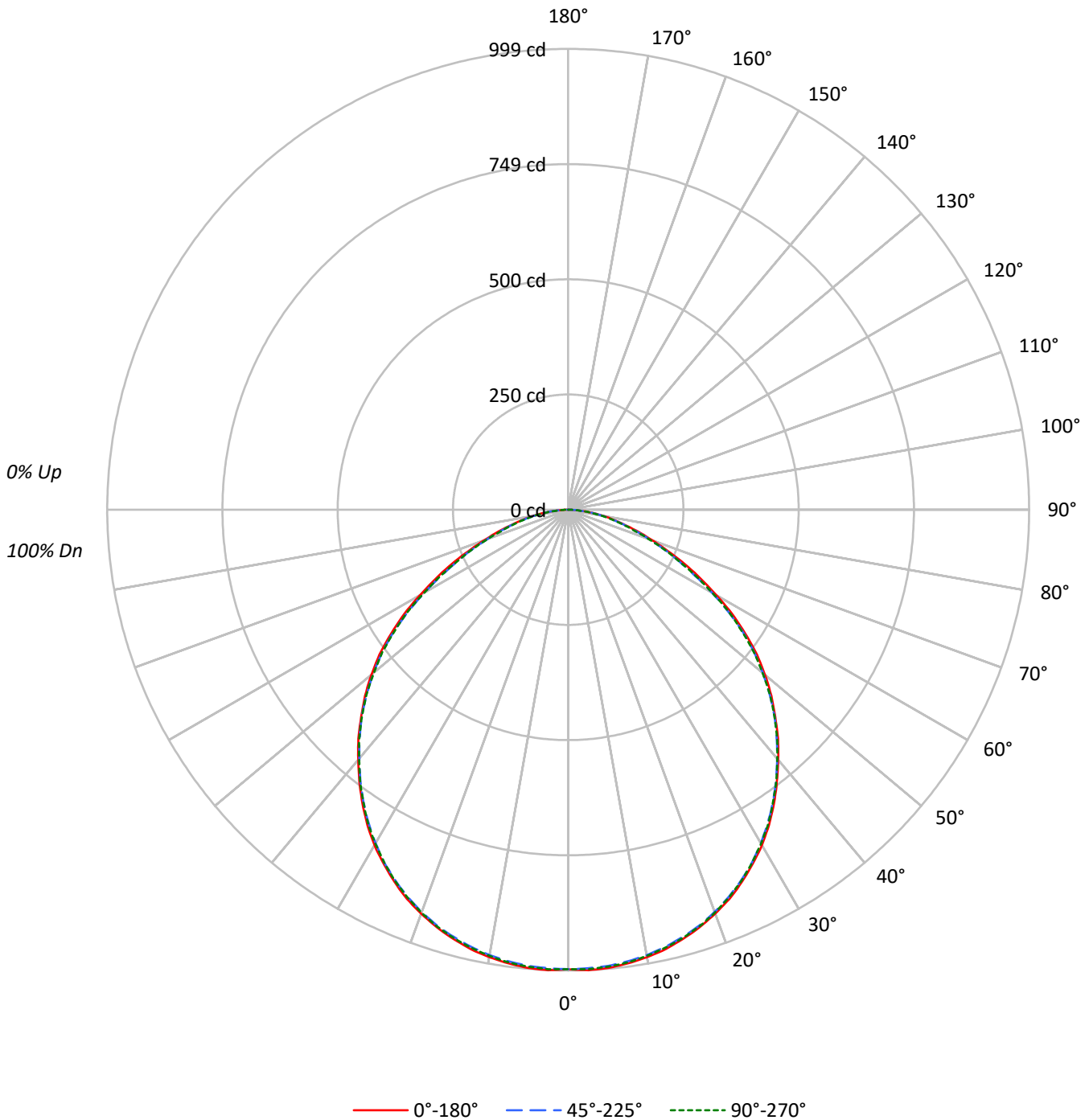
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2594.0 lumens
Efficiency: N/A
Efficacy: 139.5 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_{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°	2919	2919	2919
5°	2933	2920	2925
10°	2931	2916	2922
15°	2921	2908	2915
20°	2906	2894	2898
25°	2880	2867	2871
30°	2842	2824	2827
35°	2781	2766	2768
40°	2707	2693	2695
45°	2629	2619	2616
50°	2538	2509	2503
55°	2391	2360	2346
60°	2171	2108	2113
65°	1930	1840	1840
70°	1654	1594	1581
75°	1435	1403	1371
80°	1291	1239	1215
85°	1025	1035	978



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.4	3.6
10°-20°	270.8	10.4
20°-30°	408.6	15.8
30°-40°	483.9	18.7
40°-50°	487.2	18.8
50°-60°	411.9	15.9
60°-70°	267.9	10.3
70°-80°	133.3	5.1
80°-90°	35.9	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°	773.9	29.8
0°-40°	1257.8	48.5
0°-60°	2156.9	83.2
0°-90°	2594.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2594.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	996	996	996	996	996	
5°	997	994	993	992	995	95
15°	963	960	959	958	961	272
25°	891	888	887	886	888	410
35°	778	774	773	773	774	486
45°	634	632	632	631	631	490
55°	468	464	462	460	459	418
65°	278	271	265	263	265	276
75°	127	127	124	121	121	137
85°	30	31	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°	996.1	996.1	996.1	996.1	996.1
2.5°	999.4	996.1	994.9	994.4	996.9
5°	997.2	993.5	992.7	992.1	994.6
7.5°	992.1	988.7	987.6	987.3	989.8
10°	985.0	981.7	980.2	979.7	982.2
12.5°	976.0	972.3	970.9	970.4	972.6
15°	963.0	959.9	958.8	958.5	961.0
17.5°	948.9	945.8	945.2	944.4	946.9
20°	932.0	928.9	928.0	926.9	929.4
22.5°	913.3	909.7	908.5	907.7	909.7
25°	890.7	887.6	886.8	885.9	887.9
27.5°	865.9	863.6	862.5	861.7	862.8
30°	839.9	836.0	834.6	834.0	835.7
32.5°	810.0	807.2	805.2	804.9	806.9
35°	777.5	774.1	773.3	773.3	773.9
37.5°	743.1	741.4	740.0	739.1	740.8
40°	707.8	707.2	704.1	703.8	704.7
42.5°	673.1	670.8	668.6	669.7	670.2
45°	634.4	632.1	632.1	631.3	631.3
47.5°	597.1	594.9	591.8	592.0	592.6
50°	556.8	553.9	550.5	552.5	549.1
52.5°	515.5	510.5	507.9	507.9	507.6
55°	468.1	464.1	461.9	459.9	459.3
57.5°	422.4	416.4	410.8	411.4	413.3
60°	370.4	367.6	359.7	360.3	360.5
62.5°	323.5	318.2	310.0	310.0	312.8
65°	278.4	270.8	265.4	263.4	265.4
67.5°	234.1	229.8	225.3	222.2	225.0
70°	193.1	190.9	186.1	182.9	184.6
72.5°	159.8	156.7	152.7	151.0	149.4
75°	126.8	126.8	123.9	120.6	121.1
77.5°	99.9	99.1	97.1	95.7	95.7
80°	76.5	75.7	73.4	72.8	72.0
82.5°	52.8	53.1	51.9	51.1	50.0
85°	30.5	31.1	30.8	30.8	29.1
87.5°	13.0	11.9	12.7	12.4	13.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)