

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: P738328

Luminaire Tested: **22PT-25-PW1-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738328
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-L835
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

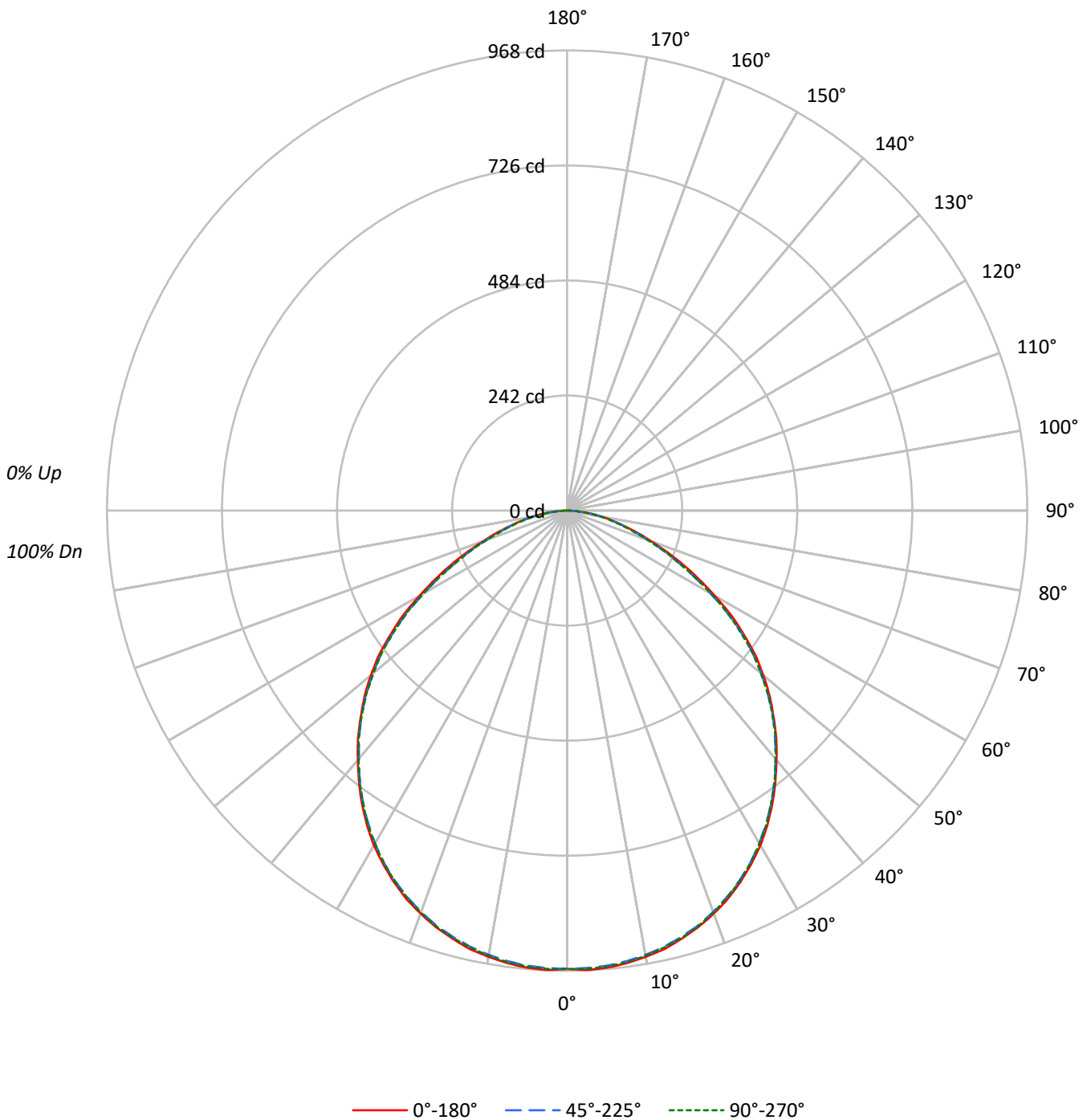
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2511.0 lumens
Efficiency: N/A
Efficacy: 135.0 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°	2825	2825	2825
5°	2839	2826	2832
10°	2837	2823	2829
15°	2828	2815	2822
20°	2813	2801	2805
25°	2787	2775	2779
30°	2751	2733	2737
35°	2692	2678	2679
40°	2621	2607	2609
45°	2545	2536	2532
50°	2457	2429	2423
55°	2315	2284	2272
60°	2101	2040	2045
65°	1868	1781	1781
70°	1601	1543	1531
75°	1389	1359	1327
80°	1250	1200	1176
85°	992	1002	945



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.4	3.6
10°-20°	262.2	10.4
20°-30°	395.5	15.8
30°-40°	468.5	18.7
40°-50°	471.6	18.8
50°-60°	398.7	15.9
60°-70°	259.3	10.3
70°-80°	129.0	5.1
80°-90°	34.8	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°	749.1	29.8
0°-40°	1217.6	48.5
0°-60°	2087.9	83.2
0°-90°	2511.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2511.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	964	964	964	964	964	
5°	965	962	961	960	963	92
15°	932	929	928	928	930	263
25°	862	859	858	858	860	397
35°	753	749	749	749	749	470
45°	614	612	612	611	611	474
55°	453	449	447	445	445	404
65°	270	262	257	255	257	267
75°	123	123	120	117	117	133
85°	30	30	30	30	28	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	964.2	964.2	964.2	964.2	964.2
2.5°	967.5	964.2	963.1	962.5	965.0
5°	965.3	961.7	960.9	960.4	962.8
7.5°	960.4	957.1	956.0	955.7	958.2
10°	953.5	950.2	948.9	948.3	950.8
12.5°	944.8	941.2	939.9	939.3	941.5
15°	932.2	929.2	928.1	927.8	930.3
17.5°	918.5	915.5	915.0	914.2	916.6
20°	902.1	899.1	898.3	897.2	899.7
22.5°	884.1	880.6	879.5	878.6	880.6
25°	862.2	859.2	858.4	857.6	859.5
27.5°	838.2	836.0	834.9	834.1	835.2
30°	813.1	809.2	807.9	807.3	809.0
32.5°	784.1	781.4	779.4	779.2	781.1
35°	752.7	749.4	748.6	748.6	749.1
37.5°	719.3	717.7	716.3	715.5	717.1
40°	685.2	684.6	681.6	681.3	682.1
42.5°	651.5	649.3	647.2	648.3	648.8
45°	614.1	611.9	611.9	611.1	611.1
47.5°	578.0	575.8	572.8	573.1	573.6
50°	538.9	536.2	532.9	534.8	531.6
52.5°	499.0	494.1	491.7	491.7	491.4
55°	453.1	449.3	447.1	445.2	444.7
57.5°	408.8	403.1	397.6	398.2	400.1
60°	358.6	355.8	348.2	348.7	349.0
62.5°	313.2	308.0	300.1	300.1	302.8
65°	269.5	262.1	256.9	255.0	256.9
67.5°	226.6	222.5	218.1	215.1	217.8
70°	186.9	184.7	180.1	177.1	178.7
72.5°	154.7	151.7	147.9	146.2	144.6
75°	122.7	122.7	120.0	116.7	117.2
77.5°	96.7	95.9	94.0	92.6	92.6
80°	74.1	73.2	71.1	70.5	69.7
82.5°	51.1	51.4	50.3	49.5	48.4
85°	29.5	30.1	29.8	29.8	28.1
87.5°	12.6	11.5	12.3	12.0	13.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)