

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: P738121

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

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738121
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506233)
Test Lab: INNOVATION CENTER
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: -

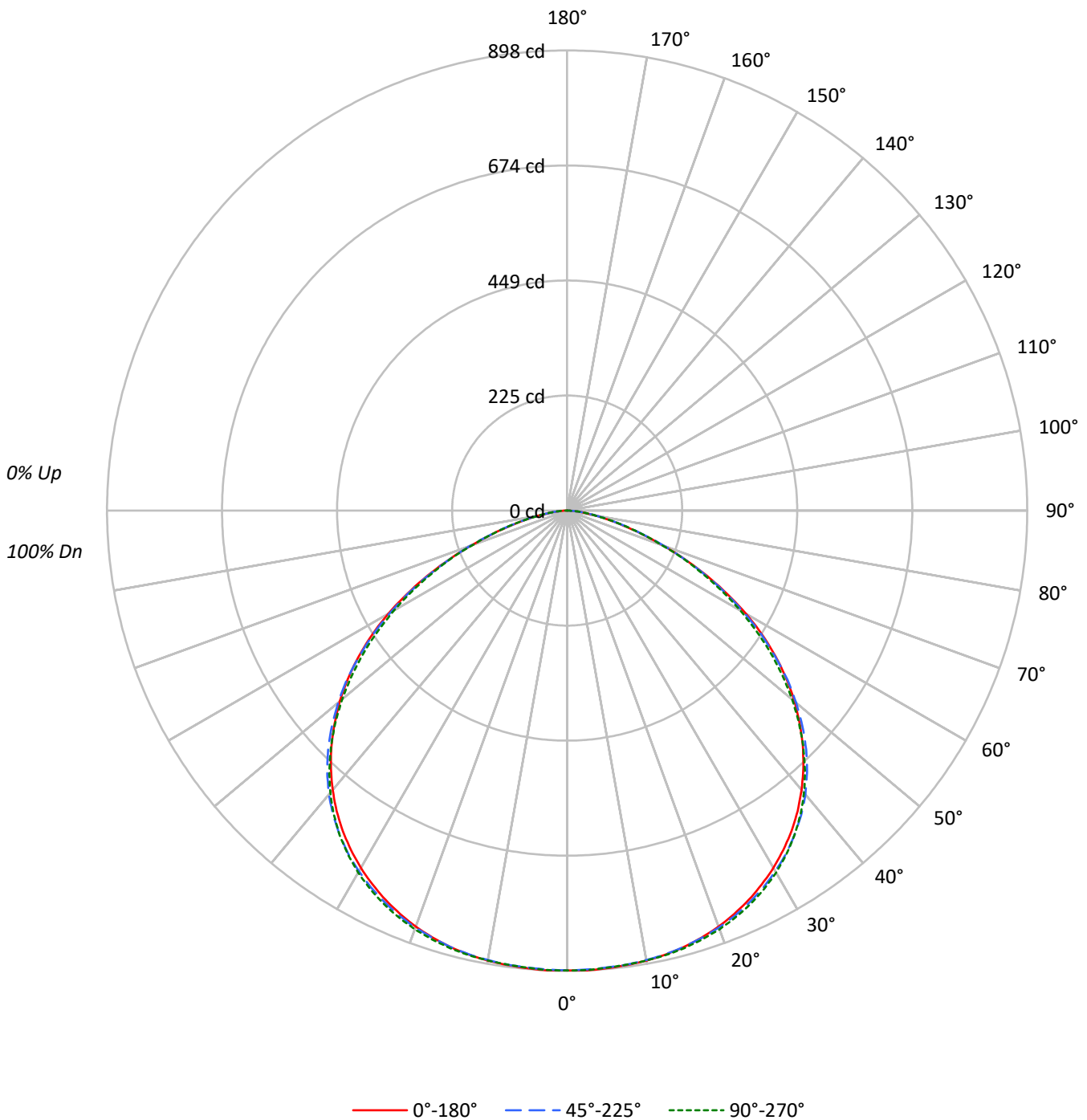
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2594.0 lumens
Efficiency: N/A
Efficacy: 139.5 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44
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	99	96	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2629	2629	2629
5°	2637	2633	2634
10°	2654	2650	2653
15°	2674	2674	2681
20°	2694	2700	2711
25°	2711	2726	2738
30°	2724	2750	2759
35°	2731	2766	2767
40°	2722	2766	2751
45°	2696	2734	2700
50°	2641	2659	2611
55°	2538	2527	2479
60°	2363	2336	2287
65°	2083	2063	2024
70°	1707	1714	1679
75°	1293	1336	1326
80°	936	974	958
85°	612	635	679



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.3	3.3
10°-20°	249.2	9.6
20°-30°	388.6	15.0
30°-40°	481.6	18.6
40°-50°	503.9	19.4
50°-60°	439.1	16.9
60°-70°	294.2	11.3
70°-80°	127.5	4.9
80°-90°	24.5	0.9
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°	723.1	27.9
0°-40°	1204.7	46.4
0°-60°	2147.8	82.8
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°	897	897	897	897	897	
5°	896	895	895	895	895	85
15°	882	880	881	882	884	249
25°	838	839	843	846	847	387
35°	763	766	773	774	774	477
45°	650	654	660	654	652	501
55°	497	496	495	489	485	442
65°	300	299	298	295	292	297
75°	114	116	118	117	117	126
85°	18	20	19	19	20	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	897.4	897.4	897.4	897.4	897.4
2.5°	898.3	896.7	896.4	896.4	897.4
5°	896.4	895.4	895.1	894.8	895.4
7.5°	894.5	893.2	893.6	892.9	893.6
10°	891.9	890.7	890.7	890.7	891.6
12.5°	887.4	886.5	886.8	887.4	888.7
15°	881.6	880.3	881.4	882.3	883.9
17.5°	873.6	872.7	874.3	875.9	877.2
20°	864.1	863.0	865.9	868.2	869.5
22.5°	852.1	851.9	855.7	858.3	859.2
25°	838.4	838.6	843.2	845.7	847.0
27.5°	822.6	823.3	829.1	831.3	832.6
30°	805.1	806.6	812.7	814.6	815.6
32.5°	785.1	787.4	794.7	796.0	796.0
35°	763.4	766.2	773.2	774.2	773.6
37.5°	739.0	742.1	750.1	748.9	747.9
40°	711.7	715.2	723.2	720.6	719.1
42.5°	682.5	686.0	693.1	689.3	686.9
45°	650.5	653.9	659.7	654.3	651.7
47.5°	615.7	619.9	622.8	616.8	613.5
50°	579.3	580.5	583.4	576.4	572.8
52.5°	539.4	539.4	541.7	534.0	529.8
55°	496.8	496.5	494.6	489.1	485.3
57.5°	451.6	449.6	448.4	442.6	438.1
60°	403.2	400.3	398.6	393.9	390.3
62.5°	352.5	350.9	348.9	345.1	341.3
65°	300.5	298.9	297.6	294.8	291.9
67.5°	248.9	247.9	247.9	246.0	245.7
70°	199.2	199.8	200.1	200.1	196.0
72.5°	154.3	154.6	156.2	154.9	154.6
75°	114.2	116.1	118.0	117.1	117.1
77.5°	82.1	85.0	85.0	84.3	83.4
80°	55.5	56.8	57.7	57.4	56.8
82.5°	35.3	36.2	35.3	35.9	36.2
85°	18.2	19.5	18.9	19.3	20.2
87.5°	6.1	6.7	7.1	6.7	6.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)