

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: P738105

Luminaire Tested: **22PT-25-PP3-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738105
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P412714)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-25-PP3-L840
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

Summary

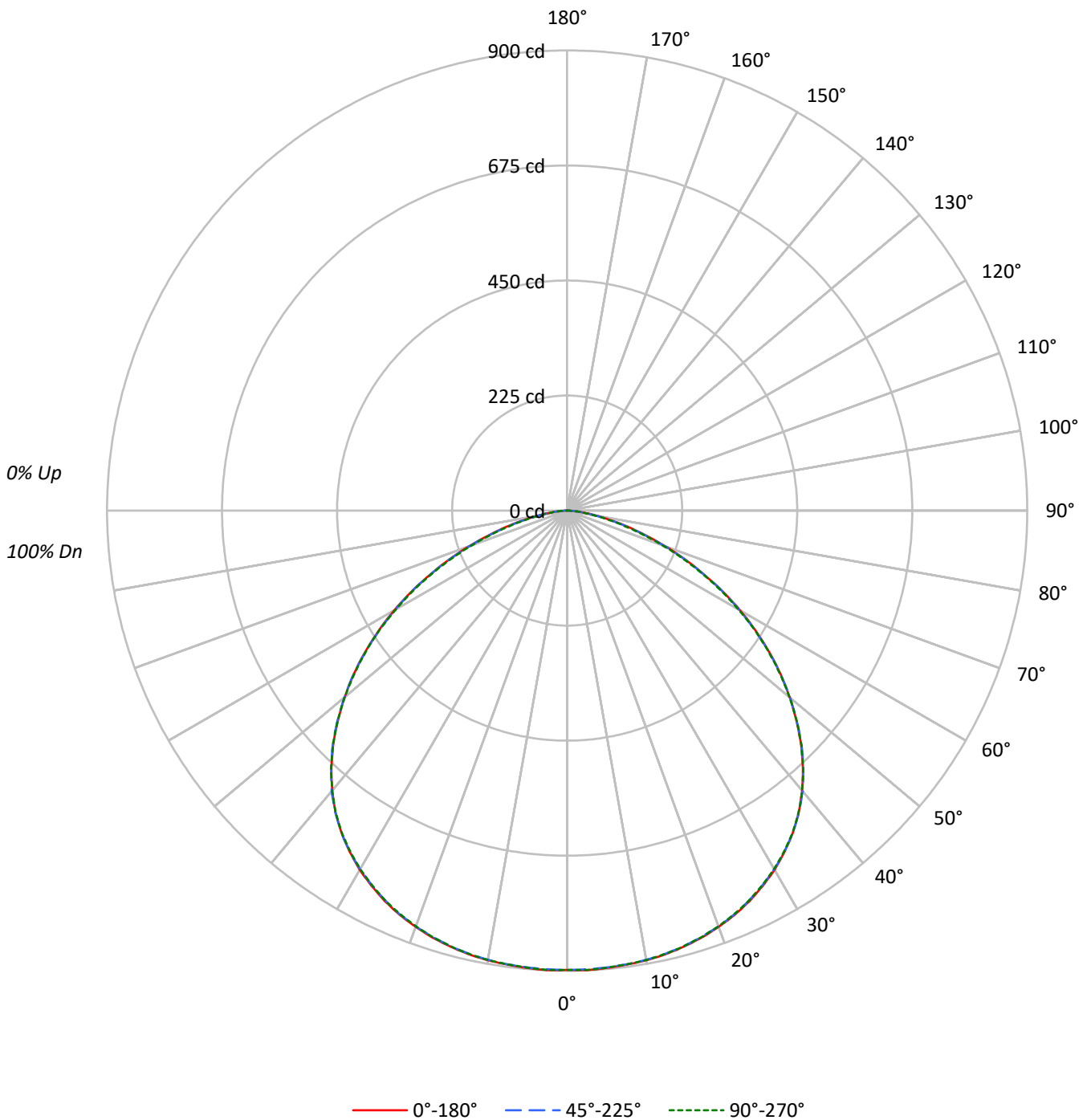
Lumens per Lamp: N/A
Luminaire Lumens: 2578.0 lumens
Efficiency: N/A
Efficacy: 138.6 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.43
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

Input Watts (W): 18.6
Input Voltage (V): NR
Input Current (Ain): 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	85	80	97	90	84	79	87	81	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	64	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	47	57	51	47	45
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	36	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°	2633	2633	2633
5°	2641	2638	2639
10°	2657	2654	2655
15°	2679	2675	2675
20°	2702	2699	2698
25°	2726	2721	2721
30°	2745	2740	2738
35°	2752	2752	2749
40°	2734	2740	2734
45°	2681	2688	2684
50°	2591	2594	2587
55°	2466	2460	2455
60°	2290	2284	2266
65°	2045	2043	2020
70°	1748	1737	1699
75°	1392	1352	1311
80°	992	972	921
85°	645	645	625



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.5	3.3
10°-20°	249.3	9.7
20°-30°	388.1	15.1
30°-40°	480.4	18.6
40°-50°	498.1	19.3
50°-60°	429.3	16.7
60°-70°	291.9	11.3
70°-80°	130.6	5.1
80°-90°	24.9	1.0
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°	722.8	28.0
0°-40°	1203.2	46.7
0°-60°	2130.6	82.6
0°-90°	2578.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2578.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	898	898	898	898	898	
5°	898	896	897	896	897	86
15°	883	881	882	881	882	250
25°	843	842	842	841	842	389
35°	770	769	770	768	769	481
45°	647	646	649	647	648	498
55°	483	481	482	481	481	430
65°	295	297	295	294	291	293
75°	123	123	119	119	116	132
85°	19	20	19	19	19	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	898.5	898.5	898.5	898.5	898.5
2.5°	899.8	897.9	897.9	898.3	899.2
5°	897.9	896.2	896.8	896.4	897.3
7.5°	895.6	894.1	895.0	894.3	895.0
10°	893.1	891.6	892.0	891.6	892.5
12.5°	888.9	887.2	887.8	887.8	888.1
15°	883.0	881.4	882.0	881.4	882.0
17.5°	875.7	874.0	874.3	874.0	874.5
20°	866.5	865.3	865.5	864.9	865.3
22.5°	855.9	854.4	854.8	854.2	854.2
25°	843.1	841.8	841.6	841.2	841.6
27.5°	828.0	826.6	826.6	826.2	826.2
30°	811.3	809.8	809.8	809.4	809.4
32.5°	791.4	790.8	791.2	790.6	790.2
35°	769.5	768.6	769.5	768.4	768.6
37.5°	744.0	742.9	744.6	743.5	743.7
40°	714.9	714.3	716.4	715.5	714.9
42.5°	682.5	682.5	683.5	683.7	683.1
45°	646.9	646.3	648.6	647.1	647.7
47.5°	608.4	607.6	609.3	609.0	608.7
50°	568.3	567.6	569.1	567.6	567.6
52.5°	526.5	526.2	526.5	525.0	524.7
55°	482.7	480.9	481.5	480.6	480.6
57.5°	437.1	435.0	435.3	435.0	435.3
60°	390.7	390.0	389.7	388.2	386.7
62.5°	343.0	343.5	343.2	341.1	339.6
65°	294.9	297.3	294.7	293.7	291.3
67.5°	249.6	250.5	248.7	246.6	243.9
70°	204.0	205.8	202.8	200.7	198.3
72.5°	160.5	161.7	159.0	157.8	154.8
75°	123.0	123.3	119.4	118.8	115.8
77.5°	87.6	88.8	85.8	85.8	82.8
80°	58.8	60.9	57.6	56.7	54.6
82.5°	36.9	37.2	36.3	35.4	34.5
85°	19.2	19.8	19.2	18.6	18.6
87.5°	7.2	7.5	7.2	6.9	7.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)