

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: P738090

Luminaire Tested: **22PT-25-PC3-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738090
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P413056)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-25-PC3-L850
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

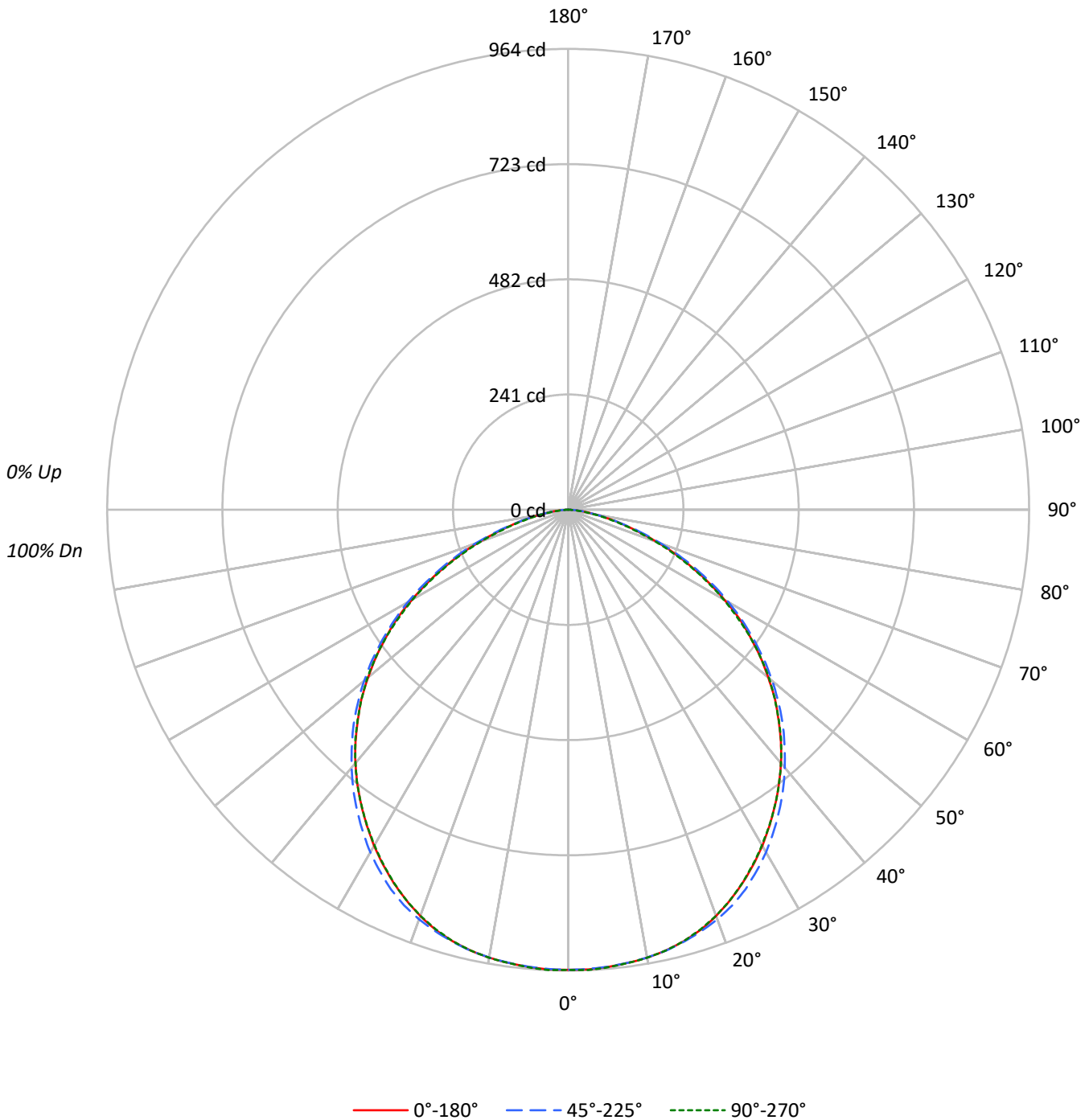
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2586.0 lumens
Efficiency: N/A
Efficacy: 139.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
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

TEST NUMBER: P738090
CATALOG NUMBER: 22PT-25-PC3-L850

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	110	105	101	97	107	103	99	96	99	96	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	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2820	2820	2820
5°	2824	2822	2826
10°	2831	2830	2831
15°	2834	2838	2834
20°	2820	2843	2818
25°	2787	2833	2786
30°	2746	2800	2742
35°	2698	2752	2698
40°	2648	2695	2648
45°	2578	2629	2582
50°	2490	2539	2500
55°	2374	2421	2374
60°	2214	2270	2200
65°	1987	2056	1961
70°	1700	1760	1650
75°	1348	1387	1278
80°	967	1002	920
85°	639	659	598



TEST NUMBER: P738090

CATALOG NUMBER: 22PT-25-PC3-L850

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.3	3.5
10°-20°	263.8	10.2
20°-30°	400.2	15.5
30°-40°	478.0	18.5
40°-50°	486.1	18.8
50°-60°	420.5	16.3
60°-70°	289.3	11.2
70°-80°	131.3	5.1
80°-90°	25.4	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°	755.4	29.2
0°-40°	1233.4	47.7
0°-60°	2139.9	82.8
0°-90°	2586.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2586.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	963	963	963	963	963	
5°	960	959	960	960	961	91
15°	934	935	936	934	934	264
25°	862	870	876	868	862	397
35°	754	768	769	767	754	472
45°	622	634	634	634	623	480
55°	465	473	474	473	465	415
65°	287	294	297	294	283	284
75°	119	124	122	121	113	128
85°	19	20	20	19	18	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	962.6	962.6	962.6	962.6	962.6
2.5°	962.6	961.4	961.7	962.0	963.8
5°	960.2	959.2	959.5	959.5	960.8
7.5°	956.2	955.9	955.9	955.6	956.5
10°	951.6	951.0	951.3	951.0	951.6
12.5°	944.6	944.6	944.8	944.0	944.6
15°	934.4	935.0	935.6	934.2	934.2
17.5°	921.5	923.1	924.6	921.9	920.3
20°	904.5	908.1	911.8	907.5	903.9
22.5°	884.5	890.6	896.2	889.4	884.5
25°	862.2	869.8	876.3	868.3	861.6
27.5°	838.0	846.6	852.7	846.0	836.8
30°	811.7	822.1	827.6	821.1	810.4
32.5°	783.5	795.7	799.1	795.1	782.8
35°	754.4	767.9	769.4	766.7	754.4
37.5°	724.1	737.0	738.2	736.6	724.1
40°	692.2	704.2	704.5	704.5	692.2
42.5°	658.3	669.9	669.9	669.6	659.2
45°	622.1	633.5	634.4	633.7	623.1
47.5°	586.3	594.9	596.4	595.2	585.7
50°	546.2	555.1	557.0	555.7	548.4
52.5°	506.4	514.7	516.5	515.6	507.3
55°	464.8	472.7	473.9	473.1	464.8
57.5°	424.7	429.9	431.1	429.3	418.9
60°	377.8	385.2	387.3	385.2	375.4
62.5°	332.5	340.4	342.3	339.2	328.9
65°	286.6	294.5	296.6	294.2	282.9
67.5°	243.1	248.9	250.8	248.0	237.6
70°	198.4	205.8	205.4	201.7	192.6
72.5°	154.3	164.4	162.6	160.4	150.3
75°	119.1	123.7	122.5	121.3	112.9
77.5°	85.1	90.6	87.6	87.9	80.8
80°	57.3	62.4	59.4	58.1	54.5
82.5°	36.4	38.6	38.0	37.4	34.0
85°	19.0	20.2	19.6	19.0	17.8
87.5°	7.4	8.0	7.4	7.4	6.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)