

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: P738095

Luminaire Tested: **22PT-25-PL1-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738095
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2212-851-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-25-PL1-L830
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

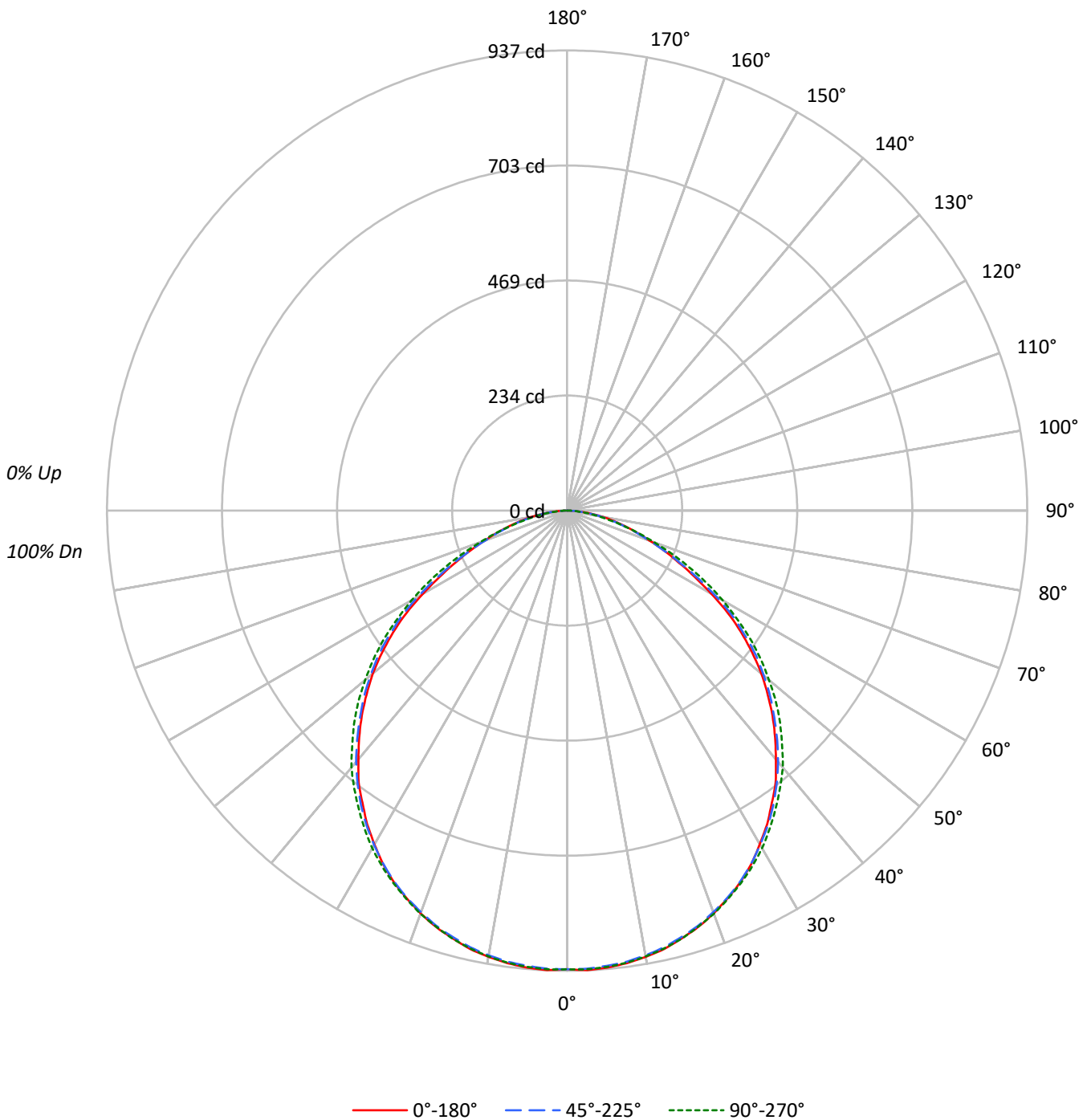
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2461.0 lumens
Efficiency: N/A
Efficacy: 132.3 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
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

TEST NUMBER: P738095
CATALOG NUMBER: 22PT-25-PL1-L830

Luminous Intensity Polar Plot





TEST NUMBER: P738095

CATALOG NUMBER: 22PT-25-PL1-L830

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	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	83	79	76	80	77	74	72																												
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61																												
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52																												
5	77	65	56	50	75	64	55	49	62	54	49	60	53	48	58	52	48	46																												
6	71	58	50	43	70	57	49	43	56	48	43	54	47	42	52	47	42	40																												
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35																												
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32																												
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	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°	2737	2737	2737
5°	2747	2737	2744
10°	2745	2736	2743
15°	2736	2727	2737
20°	2721	2713	2724
25°	2700	2695	2706
30°	2655	2660	2686
35°	2599	2617	2648
40°	2528	2557	2614
45°	2451	2472	2542
50°	2353	2382	2447
55°	2210	2254	2324
60°	1987	2054	2142
65°	1741	1776	1910
70°	1528	1515	1612
75°	1374	1317	1321
80°	1233	1168	1041
85°	978	965	793



TEST NUMBER: P738095

CATALOG NUMBER: 22PT-25-PL1-L830

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.6	3.6
10°-20°	254.0	10.3
20°-30°	384.2	15.6
30°-40°	458.1	18.6
40°-50°	462.5	18.8
50°-60°	394.6	16.0
60°-70°	259.3	10.5
70°-80°	127.0	5.2
80°-90°	32.7	1.3
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°	726.8	29.5
0°-40°	1184.9	48.1
0°-60°	2042.0	83.0
0°-90°	2461.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2461.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	934	934	934	934	934	
5°	934	932	930	930	933	89
15°	902	900	899	900	902	255
25°	835	833	834	835	837	384
35°	727	728	732	737	740	455
45°	591	593	596	608	613	456
55°	433	435	441	452	455	385
65°	251	251	256	268	276	251
75°	121	120	116	116	117	130
85°	29	29	29	26	24	35
90°	0	0	0	0	0	



TEST NUMBER: P738095

CATALOG NUMBER: 22PT-25-PL1-L830

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	934.1	934.1	934.1	934.1	934.1
2.5°	936.8	934.9	933.7	932.9	934.9
5°	934.1	932.1	930.5	930.5	932.9
7.5°	929.7	927.8	926.6	926.2	928.6
10°	922.7	920.3	919.5	919.1	921.9
12.5°	914.4	910.9	910.9	910.5	913.2
15°	901.8	900.3	899.1	899.5	902.2
17.5°	888.9	887.3	886.5	886.5	888.1
20°	872.8	870.8	870.0	870.8	873.5
22.5°	854.3	853.1	853.1	853.9	855.9
25°	835.0	833.1	833.5	834.6	837.0
27.5°	811.5	811.1	811.1	813.8	816.6
30°	784.7	784.7	786.3	790.2	793.8
32.5°	757.6	757.2	760.4	763.9	767.8
35°	726.6	728.5	731.7	736.8	740.3
37.5°	697.5	697.1	701.0	710.1	712.4
40°	661.0	663.7	668.4	677.5	683.4
42.5°	626.8	628.7	633.1	643.7	647.6
45°	591.4	593.0	596.5	608.3	613.4
47.5°	554.1	556.0	561.1	571.0	576.9
50°	516.3	519.1	522.6	532.1	536.8
52.5°	475.1	478.6	484.9	493.6	497.1
55°	432.6	435.0	441.3	451.5	455.0
57.5°	388.2	390.2	399.2	406.7	409.5
60°	339.1	341.5	350.5	362.3	365.5
62.5°	292.8	294.7	302.6	316.7	321.4
65°	251.1	251.1	256.2	268.0	275.5
67.5°	214.2	213.4	214.2	223.2	231.1
70°	178.4	178.8	176.8	182.3	188.2
72.5°	148.9	148.9	145.0	145.8	150.5
75°	121.4	120.2	116.3	115.5	116.7
77.5°	97.1	95.1	92.0	89.6	86.8
80°	73.1	71.5	69.2	65.6	61.7
82.5°	51.1	49.5	47.9	46.0	42.0
85°	29.1	29.1	28.7	26.3	23.6
87.5°	11.8	11.4	11.0	10.6	9.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)