

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: P738119

Luminaire Tested: **22PT-25-PW1-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738119
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-L830
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

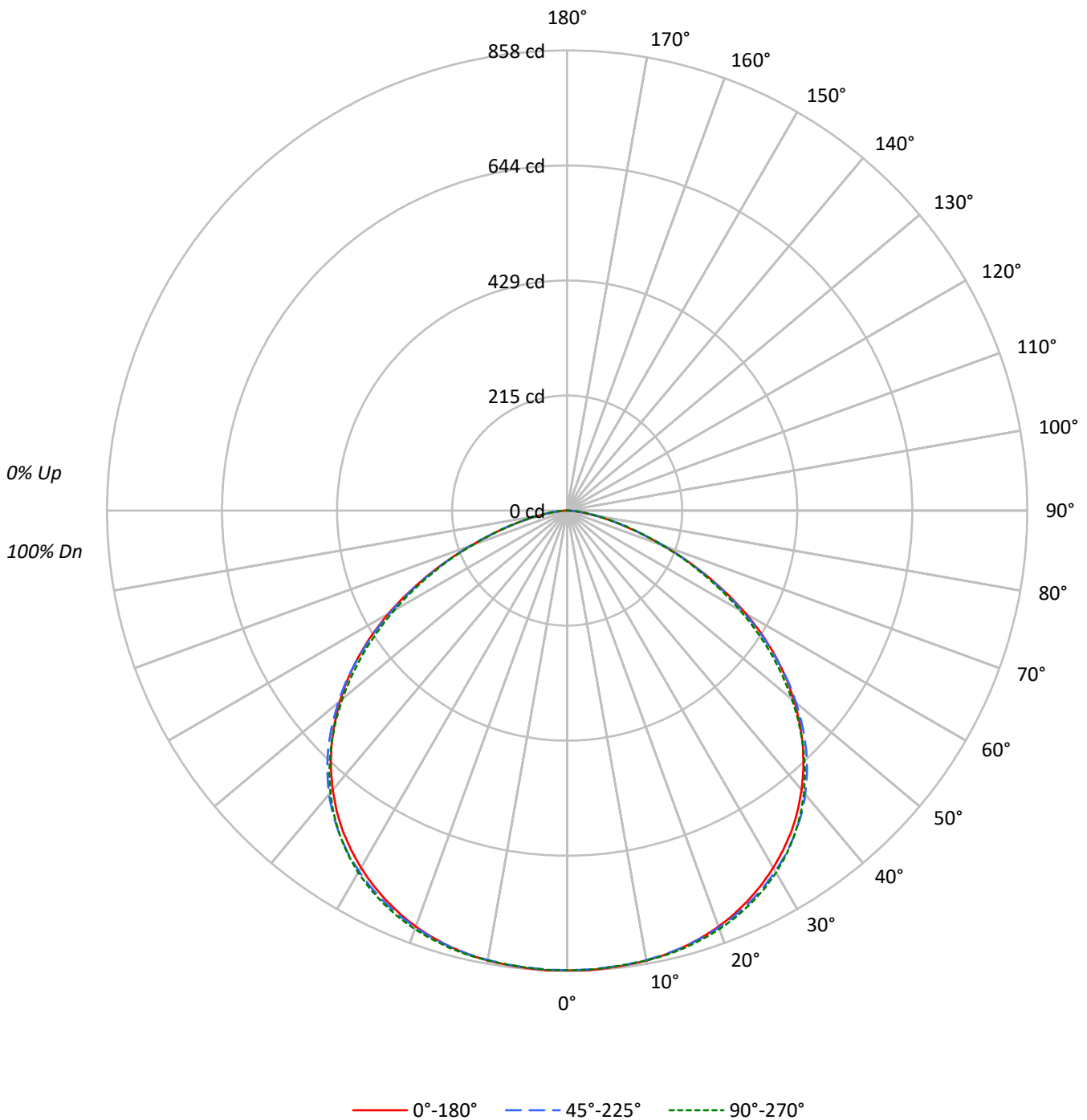
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2478.0 lumens
Efficiency: N/A
Efficacy: 133.2 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 (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: P738119
CATALOG NUMBER: 22PT-25-PW1-L830

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°	2512	2512	2512
5°	2519	2515	2516
10°	2535	2531	2534
15°	2555	2554	2561
20°	2574	2579	2590
25°	2589	2604	2616
30°	2602	2627	2636
35°	2608	2642	2643
40°	2601	2642	2627
45°	2575	2611	2580
50°	2522	2540	2494
55°	2424	2414	2368
60°	2257	2232	2185
65°	1990	1971	1933
70°	1630	1638	1604
75°	1235	1276	1266
80°	894	930	916
85°	585	608	649



TEST NUMBER: P738119

CATALOG NUMBER: 22PT-25-PW1-L830

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.5	3.3
10°-20°	238.1	9.6
20°-30°	371.2	15.0
30°-40°	460.1	18.6
40°-50°	481.4	19.4
50°-60°	419.5	16.9
60°-70°	281.0	11.3
70°-80°	121.8	4.9
80°-90°	23.4	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°	690.8	27.9
0°-40°	1150.8	46.4
0°-60°	2051.7	82.8
0°-90°	2478.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2478.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	857	857	857	857	857	
5°	856	855	855	855	855	82
15°	842	841	842	843	844	238
25°	801	801	806	808	809	369
35°	729	732	739	740	739	456
45°	621	625	630	625	623	478
55°	475	474	472	467	464	423
65°	287	286	284	282	279	284
75°	109	111	113	112	112	120
85°	17	19	18	18	19	23
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	857.3	857.3	857.3	857.3	857.3
2.5°	858.2	856.6	856.3	856.3	857.3
5°	856.3	855.4	855.1	854.8	855.4
7.5°	854.5	853.3	853.6	853.0	853.6
10°	852.1	850.8	850.8	850.8	851.7
12.5°	847.7	846.8	847.2	847.7	849.0
15°	842.2	841.0	842.0	842.9	844.4
17.5°	834.5	833.6	835.2	836.7	838.0
20°	825.4	824.4	827.2	829.4	830.6
22.5°	814.0	813.8	817.4	819.9	820.8
25°	800.9	801.1	805.5	807.9	809.1
27.5°	785.8	786.5	792.0	794.1	795.4
30°	769.0	770.5	776.4	778.2	779.2
32.5°	750.0	752.2	759.2	760.4	760.4
35°	729.2	731.9	738.7	739.6	739.0
37.5°	705.9	708.9	716.6	715.4	714.5
40°	679.9	683.2	690.8	688.4	686.9
42.5°	652.0	655.3	662.1	658.4	656.2
45°	621.4	624.7	630.2	625.0	622.6
47.5°	588.2	592.2	595.0	589.2	586.1
50°	553.3	554.6	557.3	550.6	547.2
52.5°	515.3	515.3	517.5	510.1	506.1
55°	474.6	474.3	472.5	467.2	463.6
57.5°	431.4	429.5	428.3	422.8	418.5
60°	385.1	382.4	380.8	376.3	372.8
62.5°	336.7	335.2	333.3	329.7	326.0
65°	287.1	285.5	284.3	281.6	278.8
67.5°	237.8	236.8	236.8	235.0	234.7
70°	190.3	190.9	191.2	191.2	187.2
72.5°	147.4	147.7	149.2	148.0	147.7
75°	109.1	110.9	112.7	111.8	111.8
77.5°	78.4	81.2	81.2	80.6	79.7
80°	53.0	54.3	55.1	54.8	54.3
82.5°	33.7	34.6	33.7	34.3	34.6
85°	17.4	18.7	18.1	18.4	19.3
87.5°	5.8	6.4	6.8	6.4	6.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)