

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: P738103

Luminaire Tested: **22PT-25-PP3-L830**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738103  
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-L830  
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PRISM LENS

Light Source: -  
Ballast/Driver: -

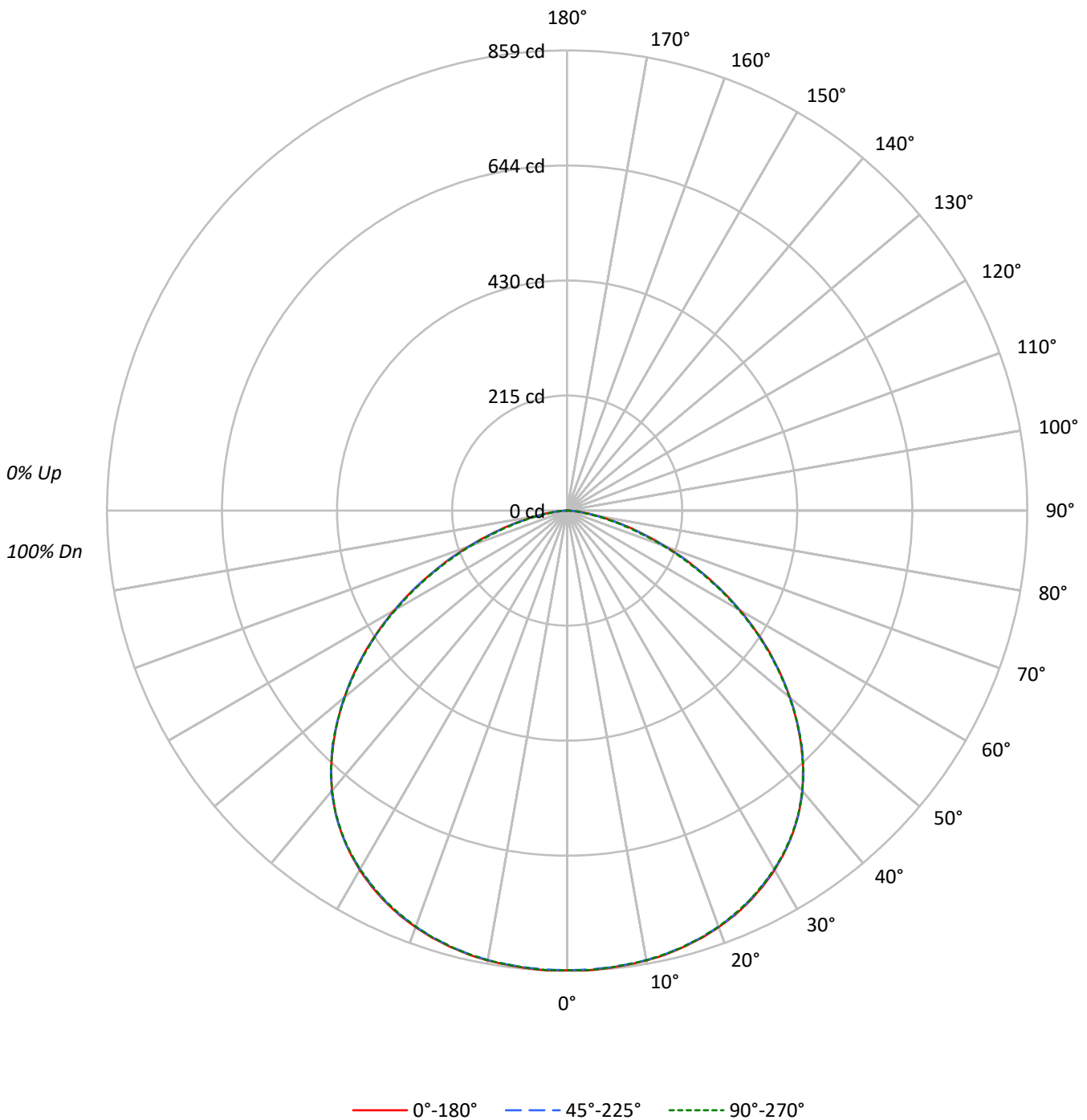
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2462.0 lumens  
Efficiency: N/A  
Efficacy: 132.4 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 (A<sub>in</sub>): 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°	2514	2514	2514
5°	2522	2519	2521
10°	2538	2534	2536
15°	2558	2555	2555
20°	2580	2577	2577
25°	2603	2598	2598
30°	2621	2616	2615
35°	2629	2629	2625
40°	2612	2617	2612
45°	2560	2567	2563
50°	2474	2477	2471
55°	2355	2349	2345
60°	2186	2181	2164
65°	1952	1951	1929
70°	1670	1659	1623
75°	1330	1291	1252
80°	948	928	879
85°	615	615	598



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.6	3.3
10°-20°	238.0	9.7
20°-30°	370.7	15.1
30°-40°	458.7	18.6
40°-50°	475.7	19.3
50°-60°	410.0	16.7
60°-70°	278.8	11.3
70°-80°	124.7	5.1
80°-90°	23.8	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°	690.3	28.0
0°-40°	1149.0	46.7
0°-60°	2034.7	82.6
0°-90°	2462.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2462.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	858	858	858	858	858	
5°	858	856	856	856	857	82
15°	843	842	842	842	842	238
25°	805	804	804	803	804	371
35°	735	734	735	734	734	459
45°	618	617	619	618	619	475
55°	461	459	460	459	459	411
65°	282	284	281	280	278	280
75°	118	118	114	114	111	126
85°	18	19	18	18	18	24
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	858.1	858.1	858.1	858.1	858.1
2.5°	859.3	857.5	857.5	857.9	858.7
5°	857.5	855.8	856.4	856.1	857.0
7.5°	855.3	853.8	854.7	854.1	854.7
10°	852.9	851.5	851.8	851.5	852.4
12.5°	848.9	847.2	847.8	847.8	848.1
15°	843.2	841.8	842.3	841.8	842.3
17.5°	836.3	834.6	834.9	834.6	835.2
20°	827.5	826.4	826.6	826.0	826.4
22.5°	817.4	816.0	816.3	815.7	815.7
25°	805.1	803.9	803.7	803.4	803.7
27.5°	790.8	789.4	789.4	789.1	789.1
30°	774.8	773.3	773.3	773.0	773.0
32.5°	755.8	755.2	755.6	755.0	754.7
35°	734.9	734.0	734.9	733.8	734.0
37.5°	710.6	709.4	711.1	710.0	710.2
40°	682.8	682.2	684.2	683.3	682.8
42.5°	651.8	651.8	652.7	652.9	652.4
45°	617.8	617.2	619.4	618.0	618.6
47.5°	581.0	580.2	581.9	581.6	581.4
50°	542.7	542.1	543.5	542.1	542.1
52.5°	502.8	502.5	502.8	501.4	501.1
55°	461.0	459.3	459.9	459.0	459.0
57.5°	417.4	415.4	415.7	415.4	415.7
60°	373.1	372.4	372.2	370.7	369.3
62.5°	327.5	328.1	327.8	325.8	324.3
65°	281.6	284.0	281.4	280.5	278.2
67.5°	238.4	239.2	237.5	235.5	232.9
70°	194.9	196.5	193.7	191.6	189.4
72.5°	153.3	154.4	151.9	150.7	147.8
75°	117.5	117.8	114.0	113.5	110.6
77.5°	83.6	84.8	82.0	82.0	79.1
80°	56.2	58.2	55.0	54.2	52.1
82.5°	35.3	35.5	34.6	33.8	32.9
85°	18.3	18.9	18.3	17.8	17.8
87.5°	6.9	7.2	6.9	6.6	6.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)