

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: P738079

Luminaire Tested: **22PT-25-PB1-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738079
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2212-851-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-25-PB1-L830
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

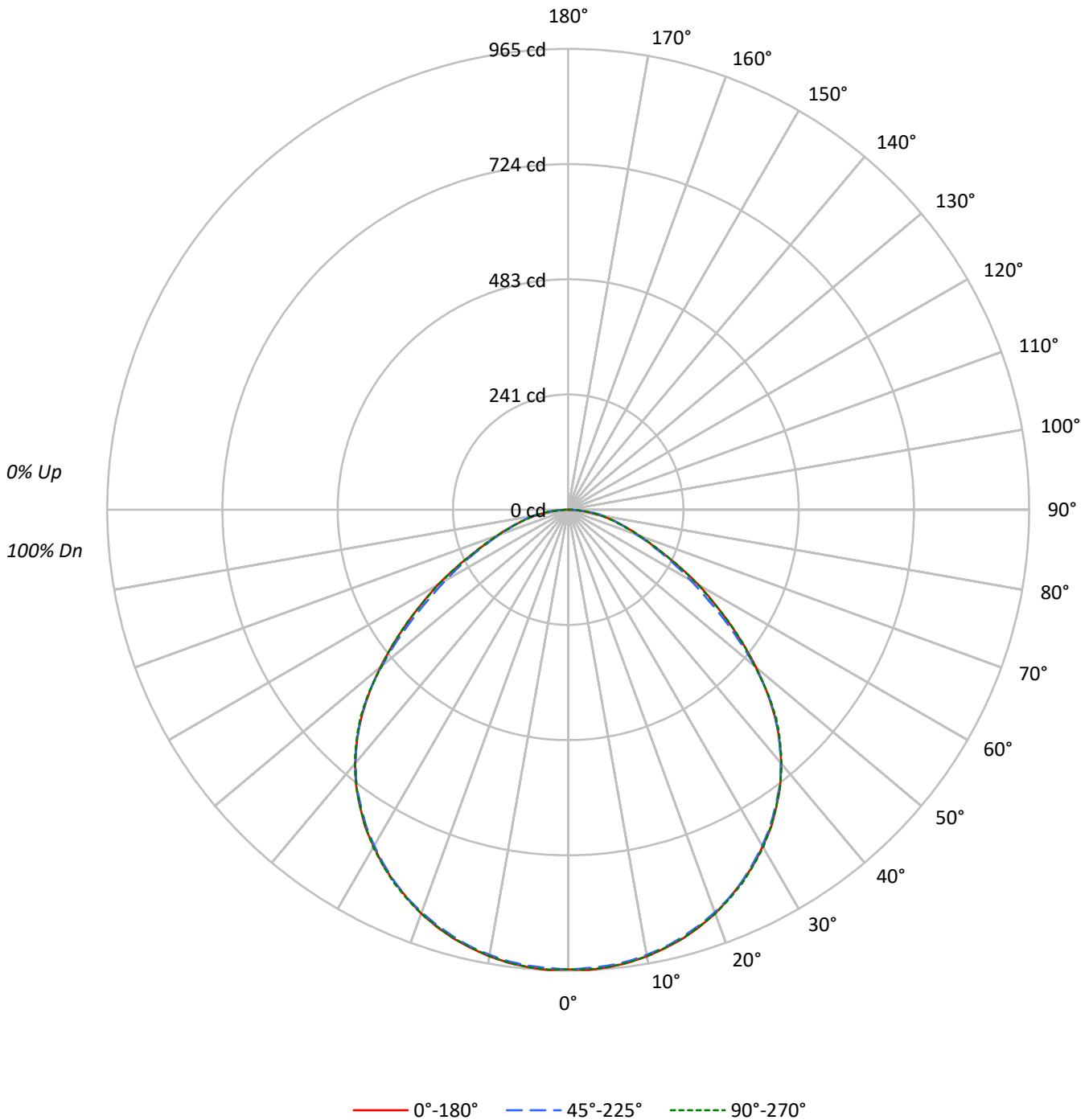
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2427.0 lumens
Efficiency: N/A
Efficacy: 130.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 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 (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

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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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2820	2820	2820
5°	2828	2819	2828
10°	2826	2816	2824
15°	2819	2808	2818
20°	2805	2797	2806
25°	2782	2779	2788
30°	2754	2747	2762
35°	2717	2707	2717
40°	2654	2648	2657
45°	2534	2539	2549
50°	2340	2321	2324
55°	2091	2021	2099
60°	1846	1733	1834
65°	1546	1498	1546
70°	1341	1304	1348
75°	1223	1241	1223
80°	1149	1249	1156
85°	998	1224	1025



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.3	3.8
10°-20°	261.8	10.8
20°-30°	396.4	16.3
30°-40°	474.0	19.5
40°-50°	469.4	19.3
50°-60°	360.9	14.9
60°-70°	219.8	9.1
70°-80°	116.3	4.8
80°-90°	37.2	1.5
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°	749.4	30.9
0°-40°	1223.4	50.4
0°-60°	2053.7	84.6
0°-90°	2427.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2427.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	963	963	963	963	963	
5°	961	961	958	960	961	91
15°	929	928	926	928	929	262
25°	860	860	860	861	862	397
35°	760	759	757	759	760	475
45°	612	612	613	613	615	469
55°	409	404	396	403	411	367
65°	223	218	216	216	223	225
75°	108	108	110	109	108	116
85°	30	34	36	34	30	34
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°	964.9	963.4	960.6	962.6	963.8
5°	961.4	961.0	958.3	959.9	961.4
7.5°	957.1	955.9	954.0	955.6	956.7
10°	949.7	948.9	946.6	948.5	949.3
12.5°	940.3	939.5	937.9	939.5	939.1
15°	929.3	927.8	925.8	927.8	928.9
17.5°	915.6	914.1	912.5	913.7	914.5
20°	899.6	897.3	896.9	898.4	900.0
22.5°	880.4	880.4	880.0	881.2	882.0
25°	860.5	859.7	859.7	860.9	862.4
27.5°	839.0	837.4	836.6	838.6	839.7
30°	813.9	813.5	812.0	815.1	816.3
32.5°	789.6	785.7	786.5	788.1	788.5
35°	759.5	758.7	756.8	759.1	759.5
37.5°	729.0	728.6	727.4	728.2	728.6
40°	693.8	693.4	692.2	693.8	694.6
42.5°	654.6	653.9	653.9	655.0	656.2
45°	611.6	612.0	612.8	613.2	615.1
47.5°	563.5	564.3	565.0	564.3	564.6
50°	513.4	513.0	509.1	511.8	509.9
52.5°	460.6	454.7	451.6	457.8	462.1
55°	409.3	403.8	395.6	402.6	410.9
57.5°	360.0	350.6	342.0	350.2	358.4
60°	315.0	300.5	295.8	300.9	313.0
62.5°	266.9	256.7	255.1	255.9	266.5
65°	223.0	217.6	216.0	215.6	223.0
67.5°	187.0	183.5	181.6	183.1	187.8
70°	156.5	155.0	152.2	155.0	157.3
72.5°	131.5	131.1	128.7	131.1	130.3
75°	108.0	108.0	109.6	108.8	108.0
77.5°	88.0	88.8	91.6	89.2	86.9
80°	68.1	70.0	74.0	70.4	68.5
82.5°	48.5	52.8	57.1	52.8	50.1
85°	29.7	34.0	36.4	34.4	30.5
87.5°	12.9	15.3	16.0	14.9	12.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)