

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: P738327

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

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738327
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-12)
Test Lab: COOPER LIGHTING SOLUTIONS
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: -

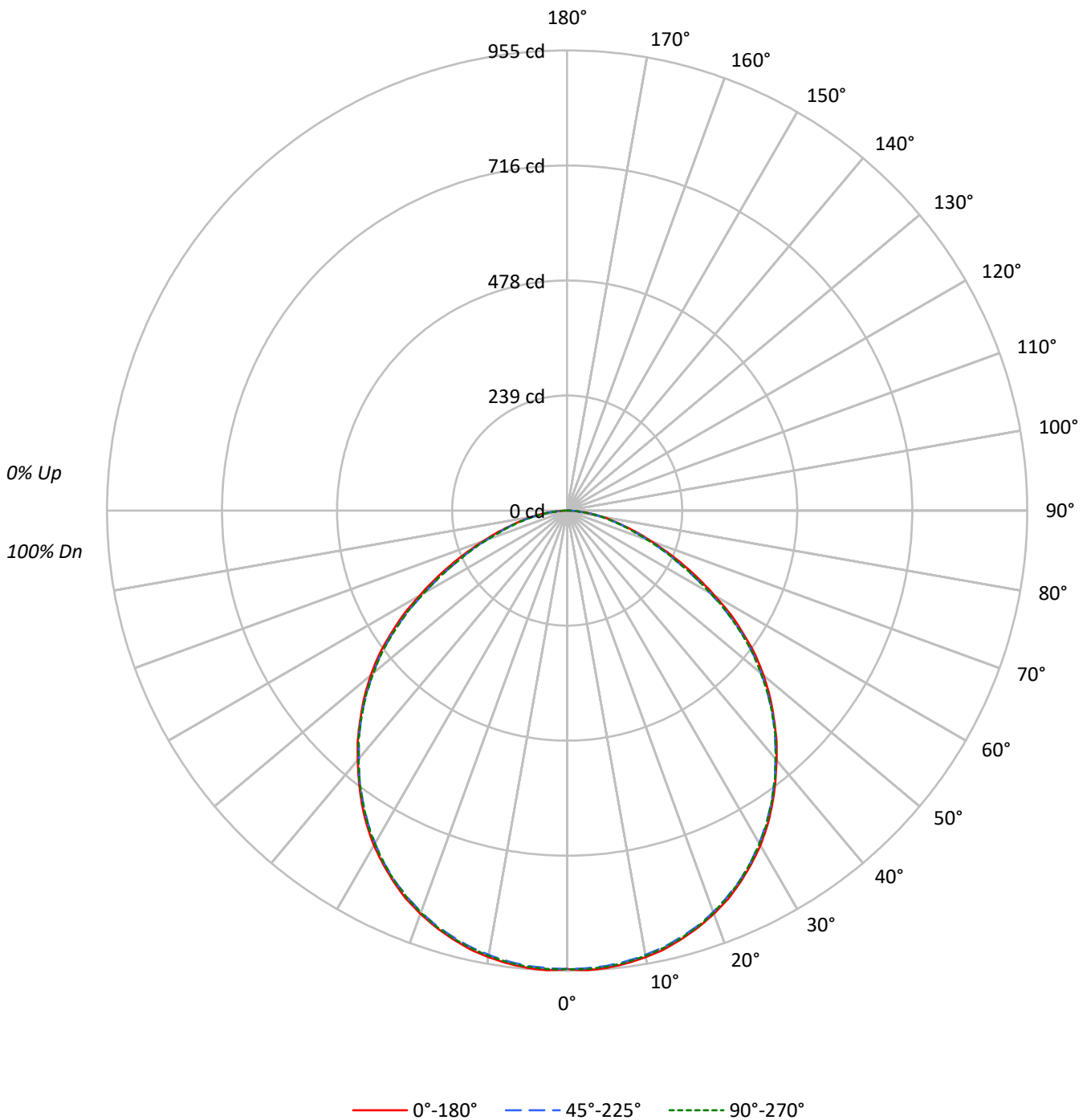
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2478.0 lumens
Efficiency: N/A
Efficacy: 133.2 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.34
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

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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	86	80	97	90	84	79	87	82	77	84	79	76	81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46
6	72	59	50	44	70	58	49	43	56	48	43	54	48	43	53	47	42	40
7	66	53	45	39	65	52	44	38	51	44	38	49	43	38	48	42	38	36
8	62	49	40	35	60	48	40	34	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	31	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°	2788	2788	2788
5°	2802	2789	2795
10°	2800	2786	2792
15°	2791	2778	2785
20°	2776	2764	2769
25°	2751	2739	2742
30°	2715	2697	2701
35°	2657	2642	2644
40°	2586	2573	2575
45°	2511	2502	2499
50°	2425	2397	2391
55°	2284	2254	2242
60°	2074	2014	2018
65°	1844	1758	1758
70°	1581	1522	1511
75°	1371	1340	1310
80°	1233	1183	1161
85°	978	988	935



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.2	3.6
10°-20°	258.7	10.4
20°-30°	390.3	15.8
30°-40°	462.3	18.7
40°-50°	465.4	18.8
50°-60°	393.5	15.9
60°-70°	255.9	10.3
70°-80°	127.3	5.1
80°-90°	34.3	1.4
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°	739.3	29.8
0°-40°	1201.6	48.5
0°-60°	2060.5	83.2
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°	952	952	952	952	952	
5°	953	949	948	948	950	91
15°	920	917	916	916	918	260
25°	851	848	847	846	848	392
35°	743	740	739	739	739	464
45°	606	604	604	603	603	468
55°	447	443	441	439	439	399
65°	266	259	254	252	254	264
75°	121	121	118	115	116	131
85°	29	30	29	29	28	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	951.5	951.5	951.5	951.5	951.5
2.5°	954.8	951.5	950.4	949.9	952.3
5°	952.6	949.1	948.3	947.7	950.2
7.5°	947.7	944.5	943.4	943.2	945.6
10°	941.0	937.8	936.4	935.9	938.3
12.5°	932.4	928.9	927.5	927.0	929.1
15°	920.0	917.0	915.9	915.6	918.1
17.5°	906.5	903.5	903.0	902.2	904.6
20°	890.3	887.3	886.5	885.4	887.9
22.5°	872.5	869.0	867.9	867.1	869.0
25°	850.9	847.9	847.1	846.3	848.2
27.5°	827.2	825.0	823.9	823.1	824.2
30°	802.4	798.6	797.2	796.7	798.3
32.5°	773.8	771.1	769.2	768.9	770.8
35°	742.8	739.5	738.7	738.7	739.3
37.5°	709.9	708.2	706.9	706.1	707.7
40°	676.1	675.6	672.6	672.4	673.2
42.5°	643.0	640.8	638.7	639.7	640.3
45°	606.0	603.9	603.9	603.1	603.1
47.5°	570.4	568.3	565.3	565.6	566.1
50°	531.9	529.2	525.9	527.8	524.6
52.5°	492.5	487.6	485.2	485.2	484.9
55°	447.2	443.4	441.2	439.3	438.8
57.5°	403.5	397.8	392.4	393.0	394.8
60°	353.9	351.2	343.6	344.1	344.4
62.5°	309.1	304.0	296.1	296.1	298.8
65°	265.9	258.6	253.5	251.6	253.5
67.5°	223.6	219.5	215.2	212.3	215.0
70°	184.5	182.3	177.7	174.8	176.4
72.5°	152.7	149.7	145.9	144.3	142.7
75°	121.1	121.1	118.4	115.2	115.7
77.5°	95.5	94.7	92.8	91.4	91.4
80°	73.1	72.3	70.1	69.6	68.8
82.5°	50.4	50.7	49.6	48.8	47.7
85°	29.1	29.7	29.4	29.4	27.8
87.5°	12.4	11.3	12.1	11.9	12.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)