

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: P738679

Luminaire Tested: **24PT-80-PW1-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738679
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-80-PW1-L830
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

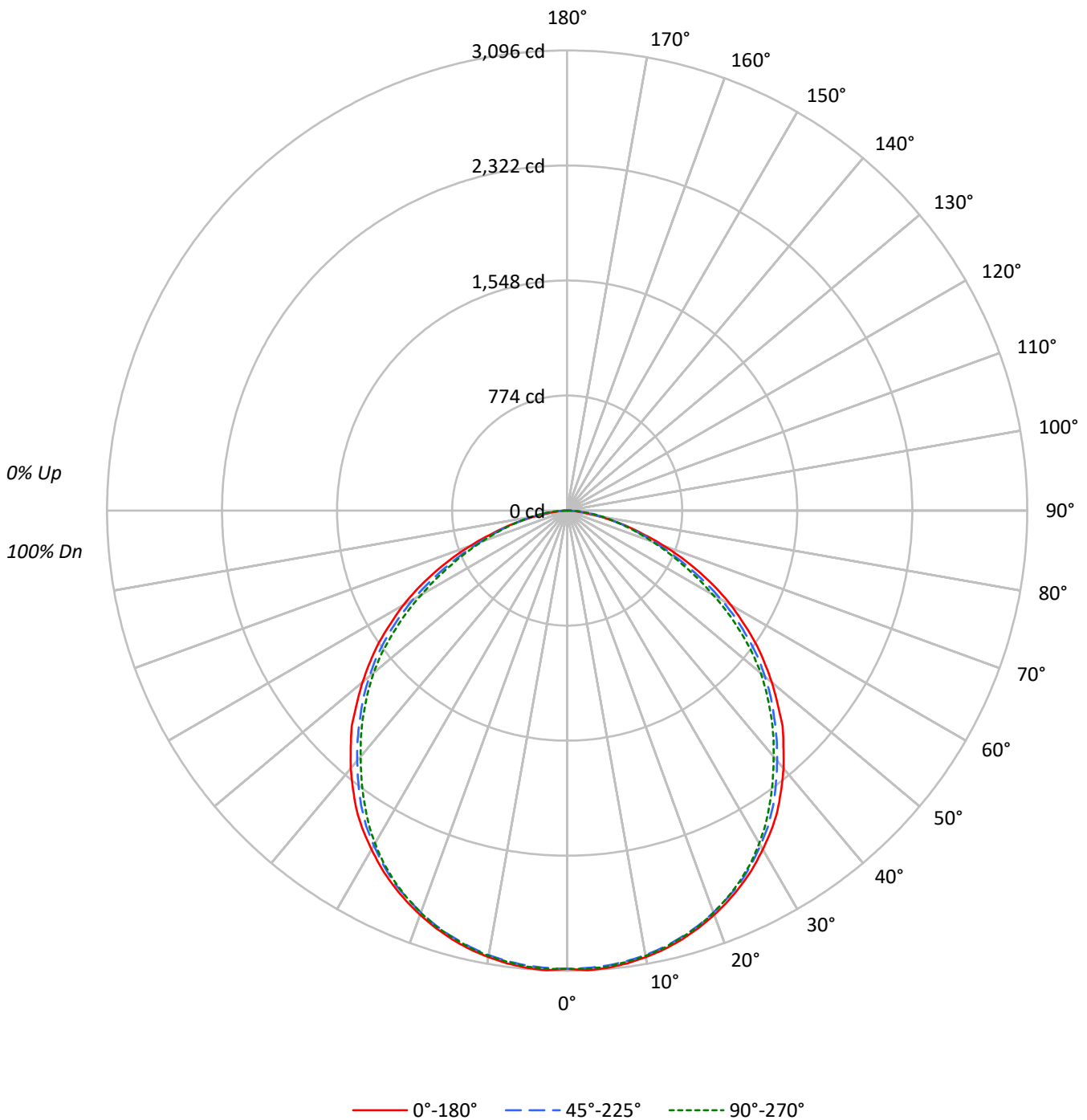
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8221.0 lumens
Efficiency: N/A
Efficacy: 120.4 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.24 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 68.3
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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
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	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	31	56	44	36	31	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4421	4421	4421
5°	4445	4424	4433
10°	4442	4422	4429
15°	4434	4410	4415
20°	4416	4390	4393
25°	4393	4367	4350
30°	4358	4308	4281
35°	4319	4231	4172
40°	4239	4114	4046
45°	4155	3995	3929
50°	4009	3873	3792
55°	3862	3697	3563
60°	3650	3425	3249
65°	3342	3051	2894
70°	2896	2646	2549
75°	2370	2281	2252
80°	1730	1950	2009
85°	1158	1627	1731



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.4	3.6
10°-20°	839.5	10.2
20°-30°	1270.5	15.5
30°-40°	1511.7	18.4
40°-50°	1527.0	18.6
50°-60°	1321.3	16.1
60°-70°	902.6	11.0
70°-80°	444.8	5.4
80°-90°	111.2	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°	2402.4	29.2
0°-40°	3914.1	47.6
0°-60°	6762.4	82.3
0°-90°	8221.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8221.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3083	3083	3083	3083	3083	
5°	3088	3077	3073	3071	3080	294
15°	2987	2977	2971	2969	2974	843
25°	2777	2766	2760	2750	2750	1280
35°	2467	2447	2417	2391	2384	1540
45°	2049	2014	1970	1948	1938	1574
55°	1545	1523	1479	1448	1425	1376
65°	985	948	899	870	853	973
75°	428	415	412	409	406	457
85°	70	87	99	102	105	91
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3083.2	3083.2	3083.2	3083.2	3083.2
2.5°	3095.7	3084.1	3080.5	3077.8	3085.9
5°	3088.5	3077.0	3073.4	3070.7	3079.6
7.5°	3073.4	3061.8	3058.2	3055.6	3062.7
10°	3051.1	3040.4	3036.8	3034.2	3042.2
12.5°	3022.6	3012.8	3008.3	3004.8	3013.7
15°	2986.9	2977.1	2970.9	2969.1	2974.4
17.5°	2944.1	2934.3	2929.9	2927.2	2933.4
20°	2894.2	2883.5	2877.3	2873.7	2879.1
22.5°	2839.0	2828.3	2820.2	2816.7	2818.5
25°	2776.6	2765.9	2760.5	2749.8	2749.8
27.5°	2709.7	2697.2	2683.9	2672.3	2673.2
30°	2632.2	2617.9	2601.9	2586.7	2585.8
32.5°	2553.7	2535.9	2516.3	2495.8	2489.6
35°	2467.3	2446.8	2417.4	2390.6	2383.5
37.5°	2365.7	2346.9	2307.7	2285.4	2273.8
40°	2264.9	2238.2	2198.1	2172.2	2161.5
42.5°	2154.4	2128.6	2085.8	2061.7	2052.8
45°	2049.2	2014.5	1969.9	1947.6	1937.8
47.5°	1918.2	1889.7	1858.5	1832.6	1820.1
50°	1797.0	1773.8	1736.4	1707.8	1699.8
52.5°	1670.4	1650.8	1615.1	1577.7	1568.8
55°	1544.7	1523.3	1478.8	1447.6	1425.3
57.5°	1403.0	1384.3	1342.4	1302.3	1282.7
60°	1272.9	1240.8	1194.4	1150.7	1132.9
62.5°	1131.1	1099.9	1046.4	1001.9	992.1
65°	984.9	947.5	899.4	870.0	853.0
67.5°	837.0	800.4	760.3	741.6	730.9
70°	690.8	661.4	631.1	617.7	607.9
72.5°	550.0	533.0	516.1	510.7	501.8
75°	427.8	415.4	411.8	409.1	406.5
77.5°	308.4	314.6	318.2	321.8	318.2
80°	209.5	222.8	236.2	243.3	243.3
82.5°	129.2	152.4	164.0	171.1	170.2
85°	70.4	87.4	98.9	102.5	105.2
87.5°	28.5	35.7	40.1	43.7	45.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)