

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: P738647

Luminaire Tested: **24PT-72-PW1-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738647
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-72-PW1-L830
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

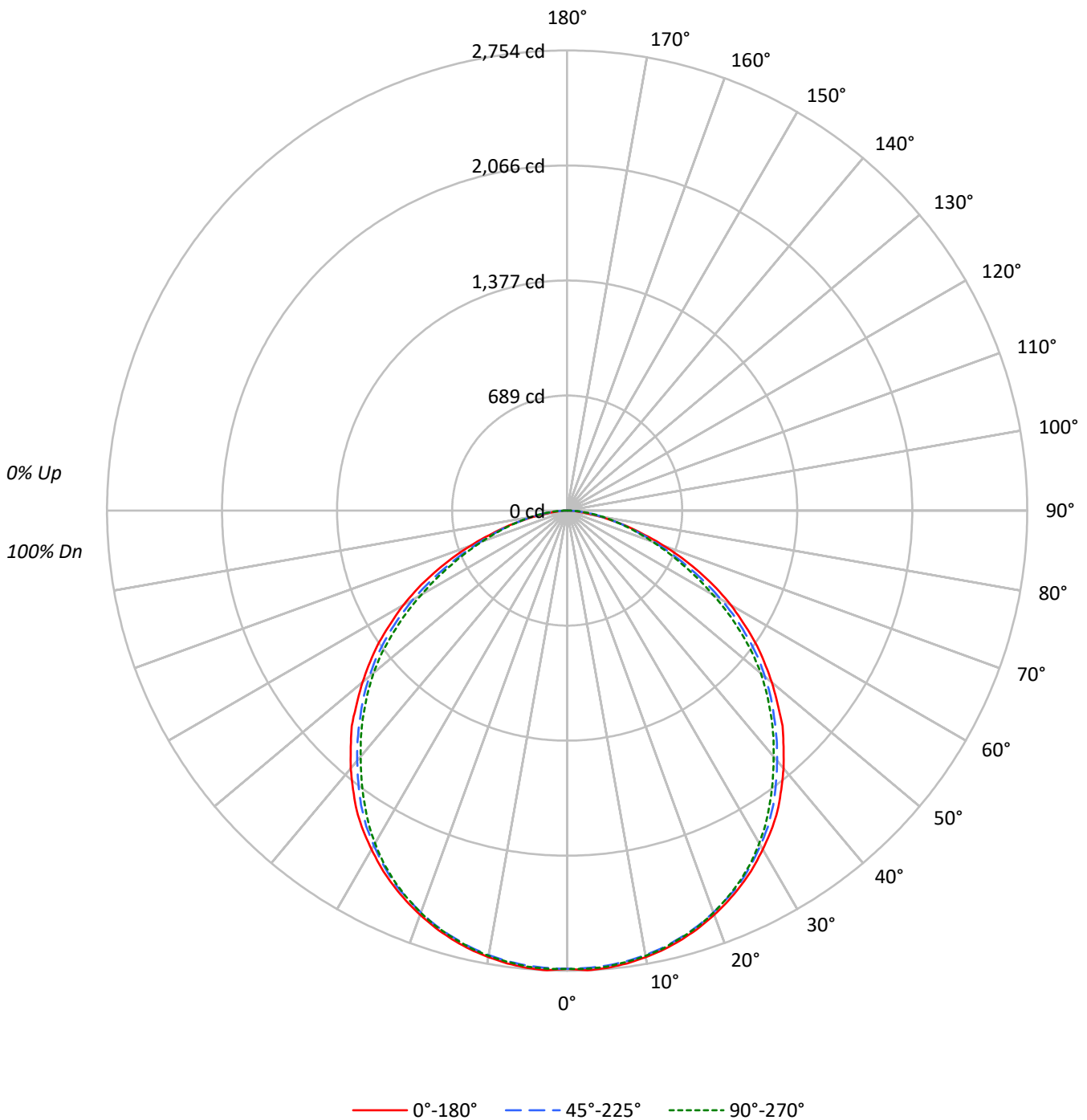
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7313.0 lumens
Efficiency: N/A
Efficacy: 121.7 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): 60.1
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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33
9	57	44	36	31	56	44	36	31	42	35	30	41	35	30	40	34	30
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3933	3933	3933
5°	3954	3935	3943
10°	3952	3933	3940
15°	3944	3923	3928
20°	3929	3905	3908
25°	3908	3885	3870
30°	3877	3832	3808
35°	3842	3764	3711
40°	3771	3660	3599
45°	3696	3553	3495
50°	3566	3446	3373
55°	3435	3288	3170
60°	3247	3047	2890
65°	2973	2714	2574
70°	2576	2354	2267
75°	2109	2029	2003
80°	1538	1735	1788
85°	1030	1448	1540



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.1	3.6
10°-20°	746.7	10.2
20°-30°	1130.2	15.5
30°-40°	1344.8	18.4
40°-50°	1358.4	18.6
50°-60°	1175.4	16.1
60°-70°	802.9	11.0
70°-80°	395.7	5.4
80°-90°	98.9	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°	2137.0	29.2
0°-40°	3481.8	47.6
0°-60°	6015.5	82.3
0°-90°	7313.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7313.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2743	2743	2743	2743	2743	
5°	2747	2737	2734	2732	2740	261
15°	2657	2648	2643	2641	2646	750
25°	2470	2460	2456	2446	2446	1138
35°	2195	2176	2150	2127	2120	1370
45°	1823	1792	1752	1732	1724	1400
55°	1374	1355	1315	1288	1268	1224
65°	876	843	800	774	759	865
75°	381	370	366	364	362	407
85°	63	78	88	91	94	81
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2742.7	2742.7	2742.7	2742.7	2742.7
2.5°	2753.8	2743.5	2740.3	2737.9	2745.0
5°	2747.4	2737.1	2733.9	2731.6	2739.5
7.5°	2733.9	2723.6	2720.5	2718.1	2724.4
10°	2714.1	2704.6	2701.4	2699.0	2706.2
12.5°	2688.7	2680.0	2676.1	2672.9	2680.8
15°	2657.0	2648.3	2642.8	2641.2	2645.9
17.5°	2619.0	2610.2	2606.3	2603.9	2609.4
20°	2574.6	2565.0	2559.5	2556.3	2561.1
22.5°	2525.4	2515.9	2508.8	2505.6	2507.2
25°	2469.9	2460.4	2455.6	2446.1	2446.1
27.5°	2410.4	2399.3	2387.4	2377.1	2377.9
30°	2341.4	2328.8	2314.5	2301.0	2300.2
32.5°	2271.7	2255.8	2238.4	2220.1	2214.6
35°	2194.8	2176.5	2150.4	2126.6	2120.2
37.5°	2104.4	2087.7	2052.8	2033.0	2022.7
40°	2014.8	1991.0	1955.3	1932.3	1922.8
42.5°	1916.5	1893.5	1855.4	1834.0	1826.1
45°	1822.9	1792.0	1752.3	1732.5	1723.8
47.5°	1706.3	1681.0	1653.2	1630.2	1619.1
50°	1598.5	1577.9	1544.6	1519.2	1512.1
52.5°	1485.9	1468.5	1436.7	1403.4	1395.5
55°	1374.1	1355.1	1315.4	1287.7	1267.9
57.5°	1248.0	1231.4	1194.1	1158.4	1141.0
60°	1132.3	1103.7	1062.5	1023.6	1007.8
62.5°	1006.2	978.4	930.9	891.2	882.5
65°	876.2	842.9	800.0	773.9	758.8
67.5°	744.5	712.0	676.3	659.7	650.2
70°	614.5	588.3	561.4	549.5	540.8
72.5°	489.2	474.2	459.1	454.3	446.4
75°	380.6	369.5	366.3	363.9	361.6
77.5°	274.3	279.9	283.1	286.2	283.1
80°	186.3	198.2	210.1	216.5	216.5
82.5°	115.0	135.6	145.9	152.2	151.4
85°	62.6	77.7	88.0	91.2	93.6
87.5°	25.4	31.7	35.7	38.9	40.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)