

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: P738648

Luminaire Tested: **24PT-72-PW1-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738648
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-L835
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

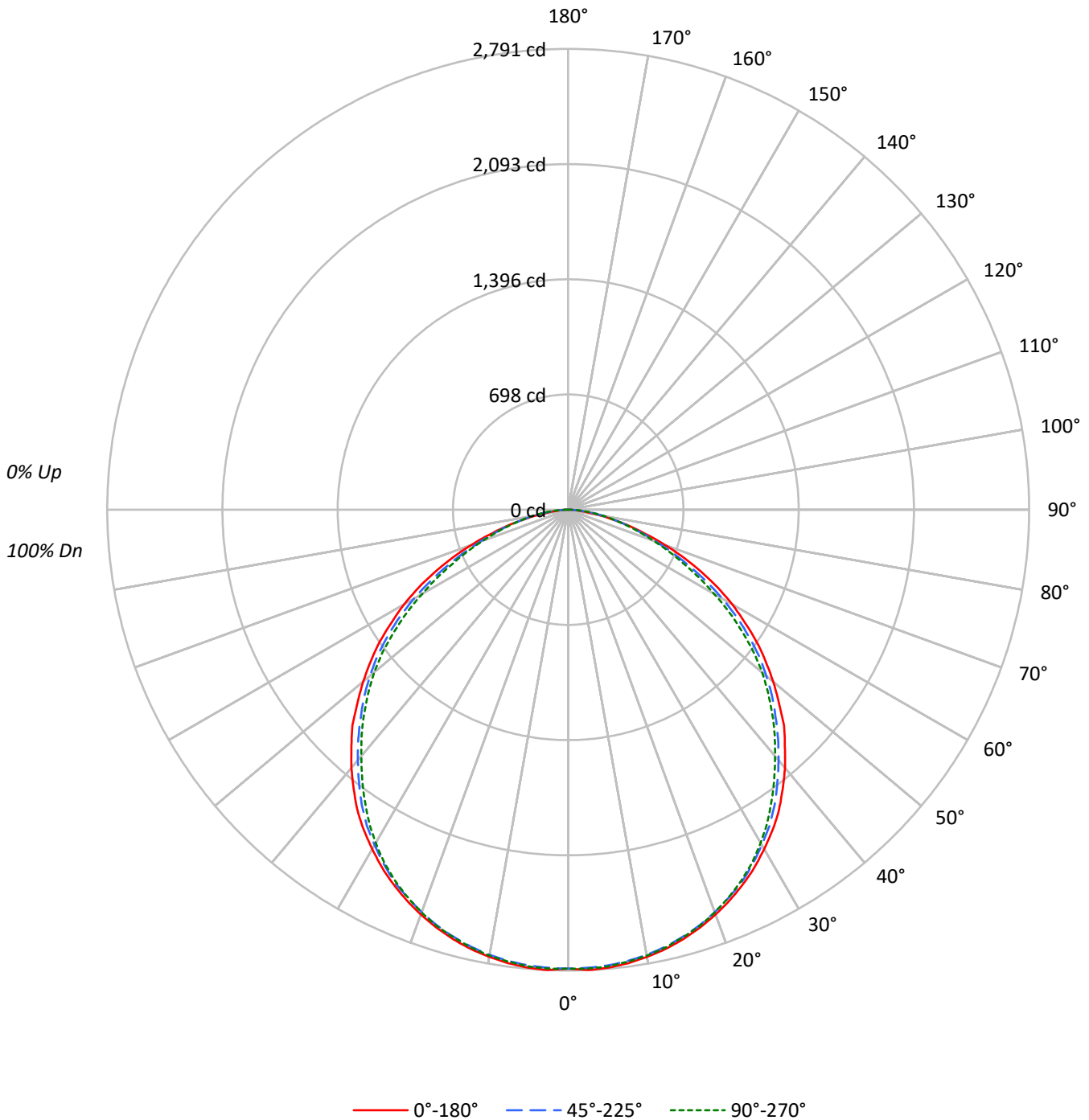
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7411.0 lumens
Efficiency: N/A
Efficacy: 123.3 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 (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	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°	3985	3985	3985
5°	4007	3988	3996
10°	4005	3986	3993
15°	3997	3976	3980
20°	3981	3958	3960
25°	3960	3937	3922
30°	3929	3883	3859
35°	3893	3815	3761
40°	3822	3709	3647
45°	3746	3601	3542
50°	3613	3492	3418
55°	3481	3333	3212
60°	3290	3088	2929
65°	3012	2751	2609
70°	2611	2385	2297
75°	2137	2056	2030
80°	1559	1758	1812
85°	1045	1467	1560



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.6	3.6
10°-20°	756.8	10.2
20°-30°	1145.3	15.5
30°-40°	1362.8	18.4
40°-50°	1376.6	18.6
50°-60°	1191.1	16.1
60°-70°	813.7	11.0
70°-80°	401.0	5.4
80°-90°	100.2	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°	2165.7	29.2
0°-40°	3528.5	47.6
0°-60°	6096.1	82.3
0°-90°	7411.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7411.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2779	2779	2779	2779	2779	
5°	2784	2774	2771	2768	2776	265
15°	2693	2684	2678	2677	2681	760
25°	2503	2493	2488	2479	2479	1154
35°	2224	2206	2179	2155	2149	1388
45°	1847	1816	1776	1756	1747	1418
55°	1392	1373	1333	1305	1285	1240
65°	888	854	811	784	769	877
75°	386	374	371	369	366	412
85°	64	79	89	92	95	82
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2779.4	2779.4	2779.4	2779.4	2779.4
2.5°	2790.7	2780.2	2777.0	2774.6	2781.8
5°	2784.2	2773.8	2770.6	2768.2	2776.2
7.5°	2770.6	2760.1	2756.9	2754.5	2760.9
10°	2750.5	2740.8	2737.6	2735.2	2742.4
12.5°	2724.8	2715.9	2711.9	2708.7	2716.7
15°	2692.6	2683.8	2678.2	2676.6	2681.4
17.5°	2654.1	2645.2	2641.2	2638.8	2644.4
20°	2609.1	2599.4	2593.8	2590.6	2595.4
22.5°	2559.2	2549.6	2542.4	2539.2	2540.8
25°	2503.0	2493.4	2488.5	2478.9	2478.9
27.5°	2442.7	2431.5	2419.4	2409.0	2409.8
30°	2372.8	2360.0	2345.5	2331.8	2331.0
32.5°	2302.1	2286.0	2268.4	2249.9	2244.3
35°	2224.2	2205.7	2179.2	2155.1	2148.6
37.5°	2132.6	2115.7	2080.3	2060.3	2049.8
40°	2041.8	2017.7	1981.5	1958.2	1948.6
42.5°	1942.1	1918.8	1880.3	1858.6	1850.5
45°	1847.3	1816.0	1775.8	1755.7	1746.9
47.5°	1729.2	1703.5	1675.4	1652.1	1640.8
50°	1619.9	1599.0	1565.3	1539.6	1532.3
52.5°	1505.8	1488.1	1456.0	1422.2	1414.2
55°	1392.5	1373.2	1333.1	1304.9	1284.8
57.5°	1264.8	1247.9	1210.1	1174.0	1156.3
60°	1147.4	1118.5	1076.7	1037.4	1021.3
62.5°	1019.7	991.6	943.3	903.2	894.3
65°	887.9	854.2	810.8	784.2	769.0
67.5°	754.5	721.6	685.4	668.5	658.9
70°	622.7	596.2	568.9	556.8	548.0
72.5°	495.8	480.5	465.2	460.4	452.4
75°	385.7	374.4	371.2	368.8	366.4
77.5°	278.0	283.6	286.9	290.1	286.9
80°	188.8	200.9	212.9	219.4	219.4
82.5°	116.5	137.4	147.8	154.3	153.5
85°	63.5	78.7	89.2	92.4	94.8
87.5°	25.7	32.1	36.2	39.4	41.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)