

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: P738631

Luminaire Tested: **24PT-72-PL1-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738631
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-72-PL1-L830
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

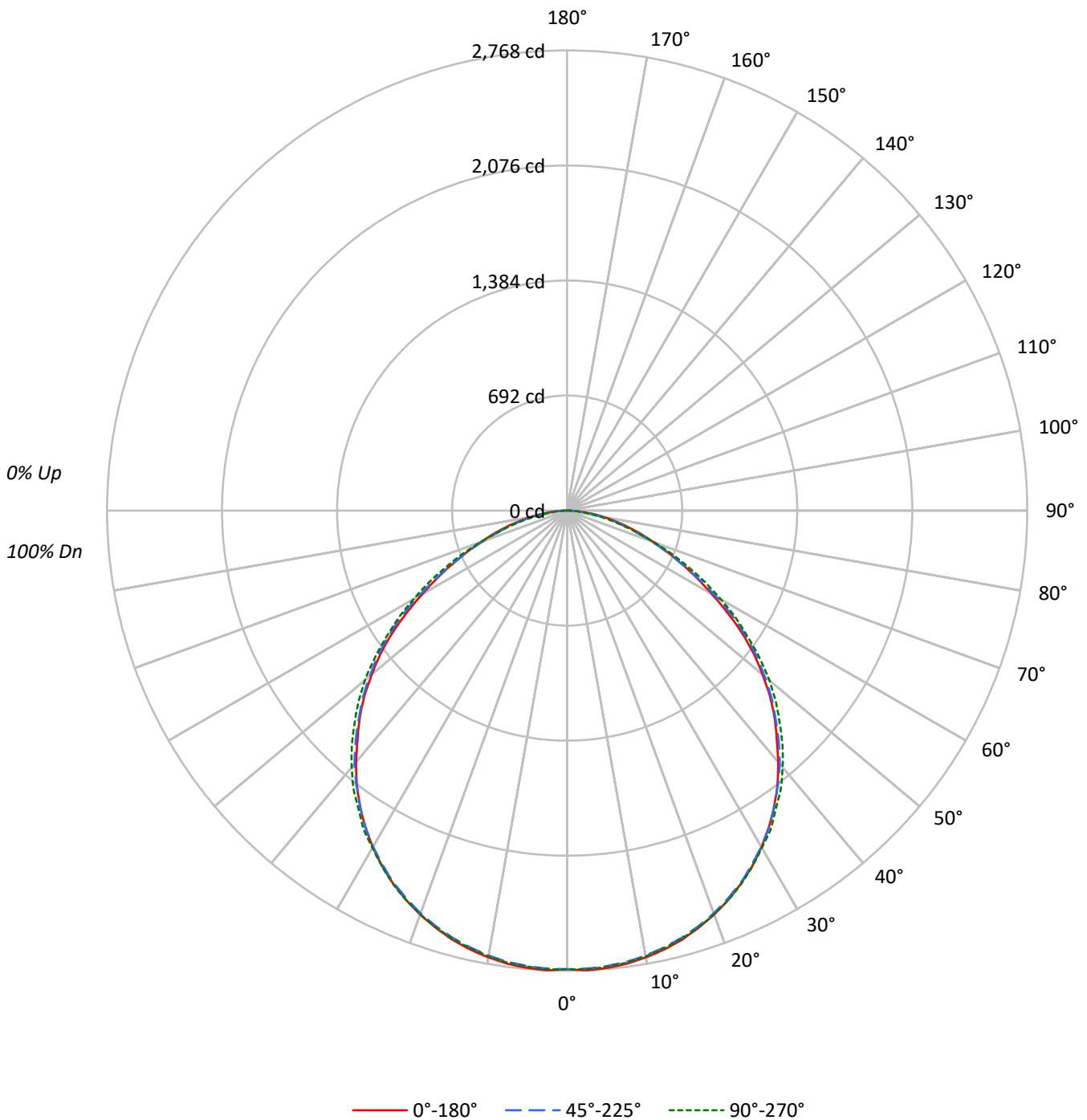
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7302.0 lumens
Efficiency: N/A
Efficacy: 121.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 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	96	98	95	93		95	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77		83	79	76		80	77	74	72
3	91	81	73	67	89	80	72	67	77	70	65		74	69	64		71	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56		66	60	55		64	59	55	52
5	77	65	56	49	75	64	55	49	61	54	49		60	53	48		58	52	48	46
6	71	58	50	43	69	57	49	43	56	48	43		54	47	42		52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38		49	43	38		48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34		45	39	34		44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31		42	35	30		41	35	30	29
10	54	41	33	28	53	40	33	28	40	33	28		39	32	28		38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3956	3956	3956
5°	3975	3958	3964
10°	3973	3956	3963
15°	3966	3949	3957
20°	3946	3934	3943
25°	3917	3908	3920
30°	3870	3865	3878
35°	3800	3802	3831
40°	3696	3724	3774
45°	3581	3597	3668
50°	3421	3460	3543
55°	3211	3271	3320
60°	2883	2954	3063
65°	2580	2585	2725
70°	2300	2237	2317
75°	2078	1955	1920
80°	1846	1722	1519
85°	1514	1435	1188



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.7	3.6
10°-20°	751.4	10.3
20°-30°	1138.3	15.6
30°-40°	1360.3	18.6
40°-50°	1372.3	18.8
50°-60°	1164.3	15.9
60°-70°	770.3	10.5
70°-80°	382.3	5.2
80°-90°	101.1	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°	2151.4	29.5
0°-40°	3511.7	48.1
0°-60°	6048.2	82.8
0°-90°	7302.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7302.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2759	2759	2759	2759	2759	
5°	2762	2752	2750	2748	2754	263
15°	2671	2663	2660	2660	2666	754
25°	2476	2470	2470	2469	2478	1140
35°	2171	2168	2172	2184	2188	1356
45°	1766	1764	1774	1798	1809	1359
55°	1285	1288	1308	1320	1328	1142
65°	760	759	762	786	803	759
75°	375	365	353	342	346	401
85°	92	92	87	80	72	109
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2758.7	2758.7	2758.7	2758.7	2758.7
2.5°	2768.2	2759.5	2757.1	2755.5	2761.8
5°	2761.8	2752.3	2749.9	2748.4	2753.9
7.5°	2749.1	2738.8	2737.3	2735.7	2742.8
10°	2728.5	2719.0	2717.4	2715.8	2722.2
12.5°	2704.0	2694.4	2691.3	2692.1	2696.0
15°	2671.4	2662.7	2660.3	2660.3	2665.9
17.5°	2631.0	2623.1	2621.5	2620.7	2627.8
20°	2585.8	2577.9	2577.9	2580.3	2584.2
22.5°	2534.3	2528.7	2525.5	2527.1	2535.1
25°	2475.6	2470.0	2470.0	2469.2	2478.0
27.5°	2410.6	2403.4	2403.4	2409.8	2412.9
30°	2337.6	2331.3	2334.4	2339.2	2342.4
32.5°	2259.1	2255.1	2257.5	2264.7	2277.3
35°	2171.1	2167.9	2171.9	2183.8	2188.5
37.5°	2079.1	2076.7	2082.3	2098.1	2111.6
40°	1974.4	1974.4	1989.5	2003.8	2016.5
42.5°	1865.8	1872.9	1884.0	1906.2	1917.3
45°	1765.9	1763.5	1773.8	1797.6	1808.7
47.5°	1654.9	1652.5	1667.6	1684.2	1702.5
50°	1533.6	1532.8	1551.0	1565.3	1588.3
52.5°	1415.4	1422.5	1434.4	1447.1	1460.6
55°	1284.6	1287.7	1308.4	1320.3	1328.2
57.5°	1143.4	1153.7	1179.1	1196.6	1203.7
60°	1005.5	1011.8	1030.0	1061.0	1068.1
62.5°	880.2	882.6	893.7	928.5	938.1
65°	760.4	758.9	762.0	785.8	803.3
67.5°	651.8	645.5	645.5	658.1	679.6
70°	548.7	539.2	533.7	537.6	552.7
72.5°	462.3	449.6	435.3	432.9	442.5
75°	375.1	364.8	352.9	341.8	346.5
77.5°	298.9	290.2	279.1	266.4	260.1
80°	223.6	220.4	208.5	196.7	184.0
82.5°	156.2	153.8	145.9	136.4	128.5
85°	92.0	92.0	87.2	80.1	72.2
87.5°	41.2	39.6	41.2	34.9	32.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)