

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1051044

Luminaire Tested: 24PTR-72-PW1-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1051044
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-72-PW1-L850-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

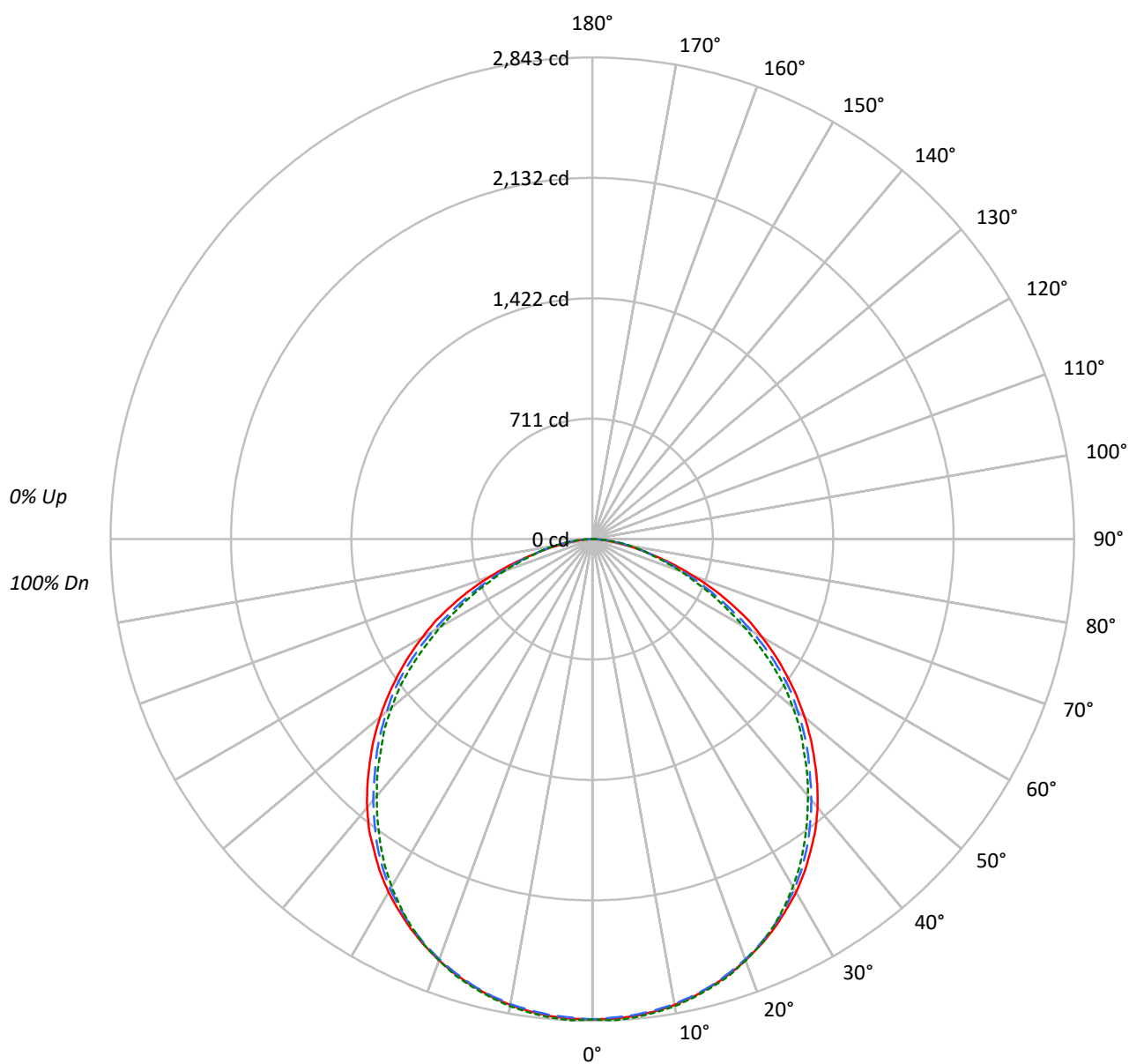
Lumens per Lamp: N/A
Luminaire Lumens: 7521.4 lumens
Efficiency: N/A
Efficacy: 125.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 60
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor:
Total Harmonic Distortion (THDi):
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	74	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	63	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	33	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3813	3813	3813
5°	3817	3808	3828
10°	3815	3806	3825
15°	3803	3797	3812
20°	3788	3779	3788
25°	3767	3751	3748
30°	3738	3705	3679
35°	3688	3632	3586
40°	3631	3532	3477
45°	3531	3427	3357
50°	3424	3313	3236
55°	3282	3171	3044
60°	3112	2928	2775
65°	2878	2614	2485
70°	2495	2276	2190
75°	1992	1948	1894
80°	1514	1691	1691
85°	1119	1443	1443

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3531 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.8	3.6
10°-20°	770.9	10.3
20°-30°	1165.1	15.5
30°-40°	1383.5	18.4
40°-50°	1393.8	18.5
50°-60°	1204.8	16.0
60°-70°	823.4	10.9
70°-80°	406.0	5.4
80°-90°	105.0	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°	2204.8	29.3
0°-40°	3588.3	47.7
0°-60°	6186.9	82.3
0°-90°	7521.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7521.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2834	2834	2834	2834	2834	
5°	2826	2827	2820	2831	2834	269
15°	2730	2733	2726	2736	2736	771
25°	2537	2535	2527	2529	2525	1169
35°	2245	2238	2211	2192	2183	1405
45°	1856	1836	1801	1780	1764	1432
55°	1399	1395	1352	1312	1298	1251
65°	904	872	821	785	780	893
75°	383	380	375	375	364	418
85°	72	85	94	95	94	89
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2834.2	2834.2	2834.2	2834.2	2834.2
2.5°	2833.4	2834.2	2826.9	2839.5	2842.6
5°	2825.8	2826.9	2819.7	2831.1	2834.2
7.5°	2812.4	2814.3	2805.9	2817.4	2819.7
10°	2792.2	2793.4	2786.1	2797.5	2799.8
12.5°	2765.1	2765.9	2759.8	2770.1	2770.1
15°	2730.4	2733.4	2726.2	2735.7	2736.5
17.5°	2691.5	2692.6	2685.4	2695.7	2697.9
20°	2645.3	2645.3	2639.2	2647.6	2645.3
22.5°	2593.8	2593.8	2586.5	2590.7	2592.6
25°	2537.3	2535.0	2526.6	2528.9	2524.7
27.5°	2472.0	2472.0	2457.2	2457.2	2449.9
30°	2406.0	2400.7	2385.0	2375.5	2368.2
32.5°	2330.1	2322.8	2303.0	2286.2	2280.9
35°	2245.4	2237.7	2211.4	2191.6	2183.2
37.5°	2163.3	2146.5	2111.8	2092.0	2082.4
40°	2067.5	2046.5	2011.1	1983.6	1979.4
42.5°	1964.9	1948.1	1901.9	1881.7	1876.7
45°	1855.7	1835.5	1800.8	1779.8	1764.2
47.5°	1748.5	1733.6	1693.9	1668.8	1663.4
50°	1635.9	1623.3	1582.5	1555.4	1545.9
52.5°	1519.6	1511.2	1476.4	1441.7	1430.3
55°	1399.0	1394.8	1351.6	1311.6	1297.8
57.5°	1280.3	1274.9	1221.1	1175.0	1162.4
60°	1156.3	1140.6	1088.0	1044.8	1031.1
62.5°	1038.7	1005.1	948.3	914.7	899.1
65°	904.0	871.6	821.2	785.3	780.4
67.5°	772.0	733.1	694.1	672.0	655.2
70°	634.2	607.9	578.5	559.8	556.8
72.5°	506.0	487.3	472.4	461.0	451.4
75°	383.1	380.1	374.7	374.7	364.4
77.5°	281.6	288.9	293.1	291.9	294.2
80°	195.4	209.9	218.3	219.4	218.3
82.5°	124.0	140.8	154.6	156.5	158.7
85°	72.5	85.1	93.5	95.4	93.5
87.5°	32.4	40.8	43.1	45.0	43.1
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)