

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: P1050714

Luminaire Tested: 24PTR-72-PL1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050714
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-72-PL1-L835-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

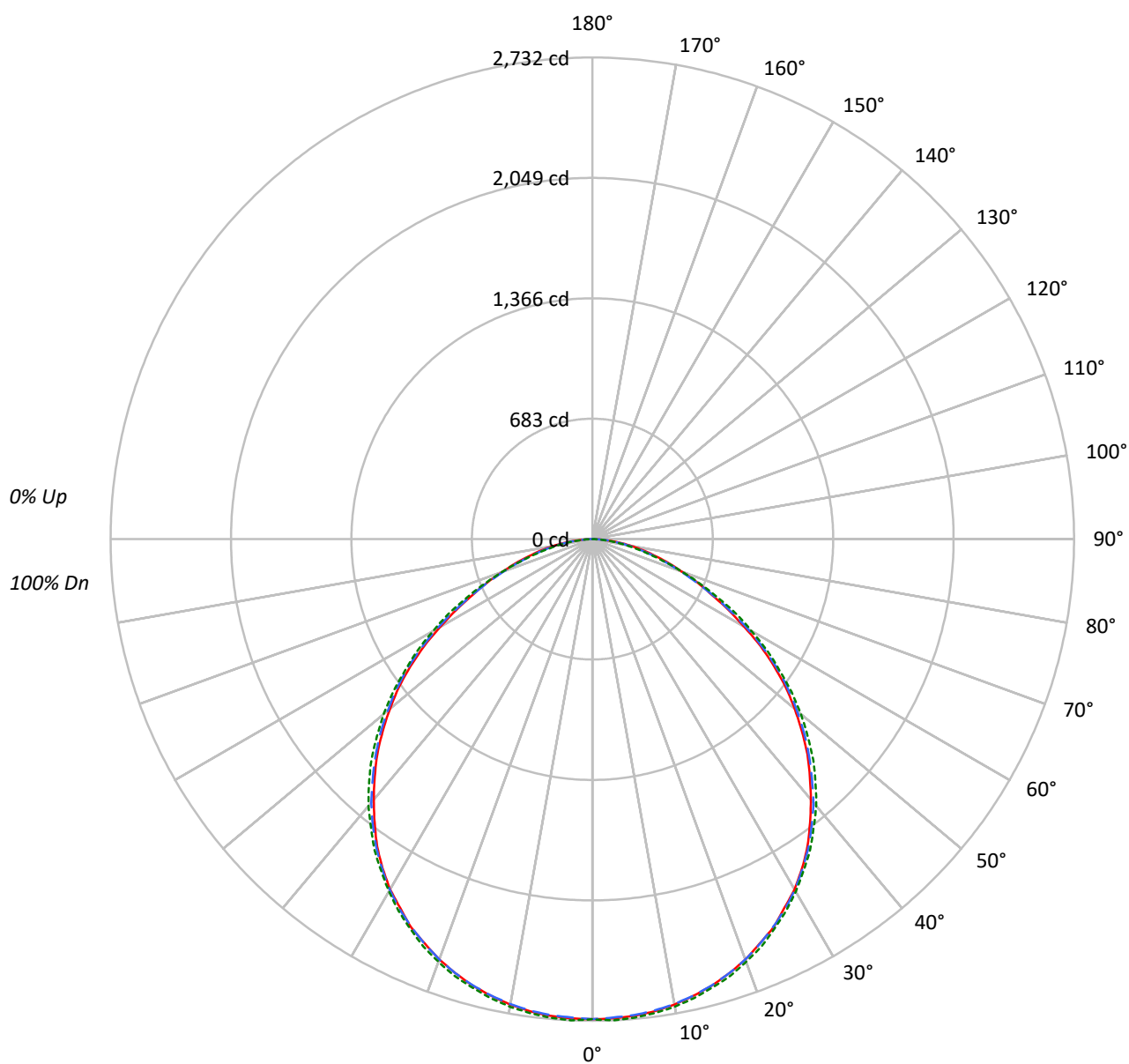
Lumens per Lamp: N/A
Luminaire Lumens: 7178.0 lumens
Efficiency: N/A
Efficacy: 119.6 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	96	98	95	93	94	92	90	91	89	87	87	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	63	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	55	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	48	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	42	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	34	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	30	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3664	3664	3664
5°	3667	3660	3680
10°	3662	3658	3679
15°	3651	3650	3668
20°	3633	3633	3653
25°	3608	3604	3623
30°	3563	3568	3585
35°	3495	3508	3536
40°	3386	3426	3469
45°	3281	3308	3371
50°	3136	3170	3233
55°	2954	3001	3037
60°	2679	2737	2805
65°	2380	2406	2502
70°	2127	2084	2136
75°	1919	1809	1772
80°	1744	1619	1437
85°	1477	1342	1155

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3371 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.3	3.6
10°-20°	740.8	10.3
20°-30°	1120.6	15.6
30°-40°	1335.8	18.6
40°-50°	1343.2	18.7
50°-60°	1139.9	15.9
60°-70°	759.0	10.6
70°-80°	379.0	5.3
80°-90°	101.4	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°	2119.8	29.5
0°-40°	3455.5	48.1
0°-60°	5938.6	82.7
0°-90°	7178.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7178.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2723	2723	2723	2723	2723	
5°	2715	2716	2710	2722	2725	258
15°	2621	2624	2620	2631	2633	740
25°	2431	2431	2427	2439	2440	1118
35°	2128	2130	2136	2151	2153	1327
45°	1724	1727	1738	1762	1772	1326
55°	1259	1268	1279	1292	1294	1122
65°	748	754	756	767	786	749
75°	369	364	348	340	341	396
85°	96	94	87	82	75	111
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2723.1	2723.1	2723.1	2723.1	2723.1
2.5°	2720.9	2723.1	2715.8	2729.0	2732.3
5°	2715.0	2715.8	2709.9	2722.0	2724.9
7.5°	2701.8	2702.9	2696.7	2709.9	2711.7
10°	2680.6	2682.8	2677.7	2689.8	2692.7
12.5°	2653.5	2656.4	2651.3	2664.5	2666.7
15°	2621.2	2624.1	2620.1	2631.1	2633.3
17.5°	2581.6	2583.8	2581.6	2591.9	2597.7
20°	2537.2	2537.2	2537.2	2546.4	2551.5
22.5°	2481.9	2487.0	2484.8	2496.9	2502.1
25°	2430.6	2430.6	2427.3	2438.6	2440.5
27.5°	2358.7	2366.8	2366.0	2375.9	2378.1
30°	2293.1	2295.3	2296.4	2303.4	2307.4
32.5°	2213.5	2215.4	2218.7	2228.6	2229.7
35°	2127.8	2130.0	2135.8	2150.8	2153.0
37.5°	2028.0	2039.0	2044.2	2060.3	2062.1
40°	1928.0	1934.9	1950.3	1967.2	1975.2
42.5°	1826.0	1834.1	1843.3	1866.4	1873.7
45°	1724.1	1727.1	1738.4	1761.5	1771.8
47.5°	1611.2	1620.4	1630.3	1650.4	1656.7
50°	1498.3	1508.2	1514.4	1532.4	1544.5
52.5°	1384.3	1393.5	1400.4	1411.4	1423.5
55°	1259.3	1268.1	1279.4	1291.5	1294.5
57.5°	1132.1	1142.0	1149.3	1162.1	1175.3
60°	995.7	1007.1	1017.0	1029.0	1042.2
62.5°	868.8	873.6	883.9	904.0	923.1
65°	747.5	753.7	755.6	766.9	786.0
67.5°	646.7	646.7	637.5	641.6	662.8
70°	540.7	536.7	529.7	525.7	542.9
72.5°	455.0	449.8	434.8	427.8	437.0
75°	369.2	364.0	347.9	339.8	340.9
77.5°	296.6	288.5	275.3	261.4	258.5
80°	225.1	221.8	209.0	195.8	185.5
82.5°	159.5	152.5	145.2	137.1	129.0
85°	95.7	93.8	86.9	81.8	74.8
87.5°	39.2	39.2	37.4	35.2	33.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)