

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: P1050494

Luminaire Tested: 24PTR-72-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050494
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-72-L840-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

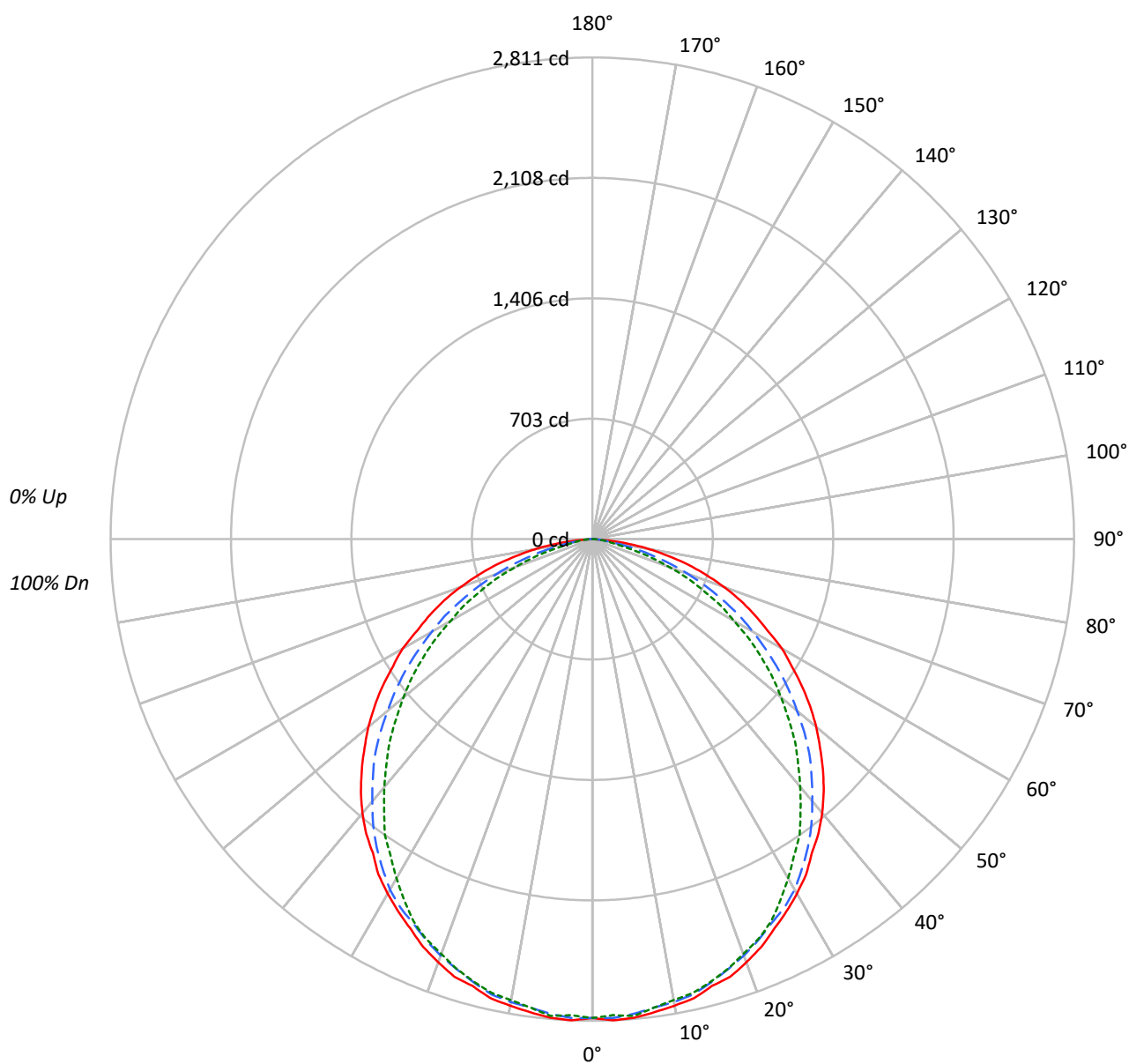
Lumens per Lamp: N/A
Luminaire Lumens: 7443.2 lumens
Efficiency: N/A
Efficacy: 124.1 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	95	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	74	74	72
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	56	68	61	56	66	60	55	64	58	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	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	33	33	31
9	57	44	36	31	56	44	36	30	42	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	27	37	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3760	3760	3760
5°	3788	3756	3772
10°	3777	3747	3731
15°	3760	3730	3723
20°	3763	3703	3689
25°	3726	3672	3659
30°	3711	3669	3550
35°	3669	3603	3464
40°	3666	3508	3315
45°	3620	3417	3183
50°	3571	3264	3010
55°	3502	3111	2827
60°	3440	2911	2566
65°	3322	2670	2294
70°	3215	2324	1873
75°	3019	1834	1289
80°	2618	1109	774
85°	1748	797	746

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3620 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.9	3.6
10°-20°	758.0	10.2
20°-30°	1144.9	15.4
30°-40°	1361.3	18.3
40°-50°	1380.6	18.5
50°-60°	1198.8	16.1
60°-70°	851.0	11.4
70°-80°	406.7	5.5
80°-90°	77.1	1.0
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°	2167.7	29.1
0°-40°	3529.0	47.4
0°-60°	6108.4	82.1
0°-90°	7443.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7443.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2794	2794	2794	2794	2794	
5°	2804	2794	2781	2788	2793	266
15°	2700	2706	2678	2674	2673	765
25°	2510	2506	2473	2483	2465	1159
35°	2234	2230	2194	2119	2109	1403
45°	1902	1886	1796	1701	1673	1467
55°	1493	1448	1326	1248	1205	1334
65°	1044	965	839	749	721	1034
75°	581	474	353	280	248	609
85°	113	60	52	50	48	143
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2794.4	2794.4	2794.4	2794.4	2794.4
2.5°	2811.0	2801.0	2797.7	2809.3	2781.0
5°	2804.3	2794.4	2781.0	2787.7	2792.7
7.5°	2784.4	2776.1	2757.7	2772.7	2757.7
10°	2764.4	2756.1	2742.8	2747.8	2731.1
12.5°	2744.4	2724.5	2721.1	2724.5	2712.8
15°	2699.5	2706.2	2677.9	2674.5	2672.9
17.5°	2677.9	2661.2	2631.3	2632.9	2629.6
20°	2627.9	2608.0	2586.3	2583.0	2576.3
22.5°	2576.3	2553.0	2533.1	2543.1	2528.1
25°	2509.8	2506.4	2473.2	2483.1	2464.8
27.5°	2451.5	2439.9	2424.9	2403.3	2376.6
30°	2388.3	2376.6	2361.6	2305.1	2285.1
32.5°	2321.7	2308.4	2278.4	2211.9	2190.2
35°	2233.5	2230.2	2193.5	2118.7	2108.7
37.5°	2166.9	2130.3	2100.3	2023.8	1995.5
40°	2087.0	2067.1	1997.2	1923.9	1887.3
42.5°	1998.8	1975.5	1895.6	1817.4	1777.5
45°	1902.3	1885.7	1795.8	1700.9	1672.6
47.5°	1802.4	1787.5	1680.9	1589.4	1552.8
50°	1705.9	1687.6	1559.5	1471.2	1438.0
52.5°	1601.1	1571.1	1444.6	1358.1	1326.4
55°	1492.9	1447.9	1326.4	1248.2	1205.0
57.5°	1378.0	1336.4	1201.6	1120.1	1085.1
60°	1278.2	1219.9	1081.8	998.6	953.6
62.5°	1150.0	1100.1	968.6	870.4	848.8
65°	1043.5	965.3	838.8	748.9	720.6
67.5°	935.3	843.8	715.6	624.1	609.1
70°	817.2	722.3	590.8	501.0	476.0
72.5°	697.3	604.1	476.0	381.1	366.1
75°	580.8	474.3	352.8	279.6	248.0
77.5°	454.4	357.8	248.0	171.4	151.5
80°	337.9	241.3	143.1	101.5	99.9
82.5°	221.4	139.8	76.6	78.2	74.9
85°	113.2	59.9	51.6	49.9	48.3
87.5°	21.6	23.3	25.0	25.0	25.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)