

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: P1050538

Luminaire Tested: 24PTR-72-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050538
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-L940-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

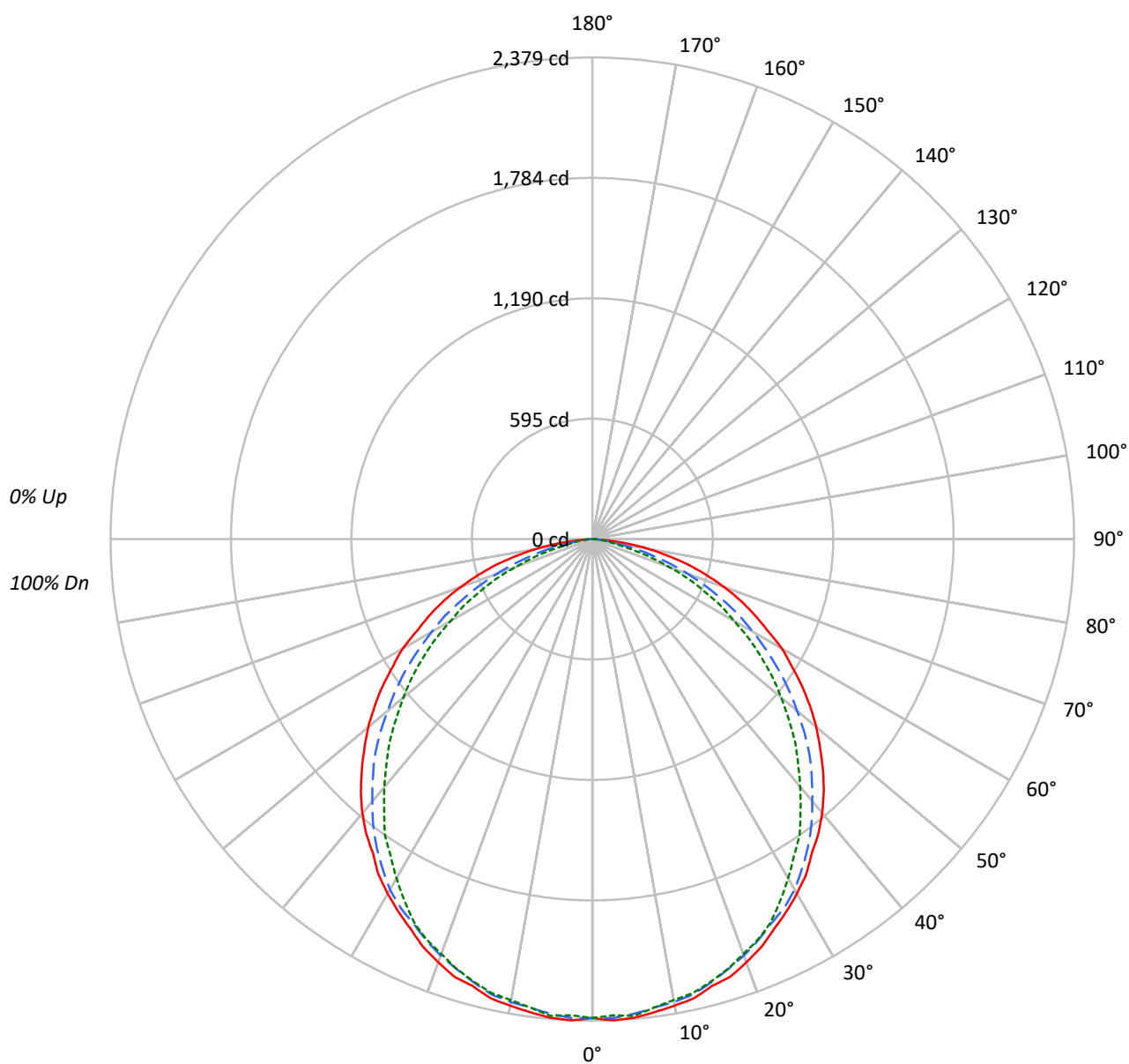
Lumens per Lamp: N/A
Luminaire Lumens: 6299.5 lumens
Efficiency: N/A
Efficacy: 105.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	3182	3182	3182
5°	3206	3179	3192
10°	3196	3171	3158
15°	3182	3157	3151
20°	3185	3134	3122
25°	3153	3107	3097
30°	3140	3105	3005
35°	3105	3049	2931
40°	3102	2969	2806
45°	3064	2892	2694
50°	3022	2763	2547
55°	2964	2633	2392
60°	2911	2464	2172
65°	2812	2260	1942
70°	2721	1967	1585
75°	2556	1552	1091
80°	2215	938	655
85°	1479	675	630

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3064 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.2	3.6
10°-20°	641.5	10.2
20°-30°	969.0	15.4
30°-40°	1152.1	18.3
40°-50°	1168.4	18.5
50°-60°	1014.6	16.1
60°-70°	720.3	11.4
70°-80°	344.2	5.5
80°-90°	65.2	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°	1834.6	29.1
0°-40°	2986.7	47.4
0°-60°	5169.8	82.1
0°-90°	6299.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6299.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2365	2365	2365	2365	2365	
5°	2373	2365	2354	2359	2364	225
15°	2285	2290	2266	2264	2262	647
25°	2124	2121	2093	2102	2086	981
35°	1890	1888	1856	1793	1785	1188
45°	1610	1596	1520	1440	1416	1242
55°	1264	1225	1123	1056	1020	1129
65°	883	817	710	634	610	875
75°	492	401	299	237	210	515
85°	96	51	44	42	41	121
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2365.0	2365.0	2365.0	2365.0	2365.0
2.5°	2379.1	2370.6	2367.8	2377.7	2353.7
5°	2373.4	2365.0	2353.7	2359.3	2363.6
7.5°	2356.5	2349.5	2334.0	2346.7	2334.0
10°	2339.6	2332.6	2321.3	2325.5	2311.4
12.5°	2322.7	2305.8	2303.0	2305.8	2296.0
15°	2284.7	2290.3	2266.4	2263.6	2262.1
17.5°	2266.4	2252.3	2226.9	2228.3	2225.5
20°	2224.1	2207.2	2188.9	2186.1	2180.5
22.5°	2180.5	2160.7	2143.8	2152.3	2139.6
25°	2124.1	2121.3	2093.1	2101.6	2086.1
27.5°	2074.8	2065.0	2052.3	2034.0	2011.4
30°	2021.3	2011.4	1998.7	1950.9	1934.0
32.5°	1964.9	1953.7	1928.3	1872.0	1853.7
35°	1890.3	1887.5	1856.5	1793.1	1784.6
37.5°	1833.9	1803.0	1777.6	1712.8	1688.9
40°	1766.3	1749.4	1690.3	1628.3	1597.3
42.5°	1691.7	1672.0	1604.4	1538.1	1504.3
45°	1610.0	1595.9	1519.8	1439.5	1415.6
47.5°	1525.5	1512.8	1422.6	1345.2	1314.2
50°	1443.8	1428.3	1319.8	1245.2	1217.0
52.5°	1355.0	1329.7	1222.6	1149.4	1122.6
55°	1263.5	1225.4	1122.6	1056.4	1019.8
57.5°	1166.3	1131.1	1017.0	948.0	918.4
60°	1081.8	1032.5	915.6	845.1	807.1
62.5°	973.3	931.1	819.8	736.7	718.4
65°	883.2	817.0	709.9	633.9	609.9
67.5°	791.6	714.1	605.7	528.2	515.5
70°	691.6	611.3	500.0	424.0	402.8
72.5°	590.2	511.3	402.8	322.6	309.9
75°	491.6	401.4	298.6	236.6	209.9
77.5°	384.5	302.8	209.9	145.1	128.2
80°	285.9	204.2	121.1	85.9	84.5
82.5°	187.3	118.3	64.8	66.2	63.4
85°	95.8	50.7	43.7	42.3	40.8
87.5°	18.3	19.7	21.1	21.1	21.1
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)