

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: P1050901

Luminaire Tested: 24PTR-72-PP3-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050901
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-72-PP3-L930-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

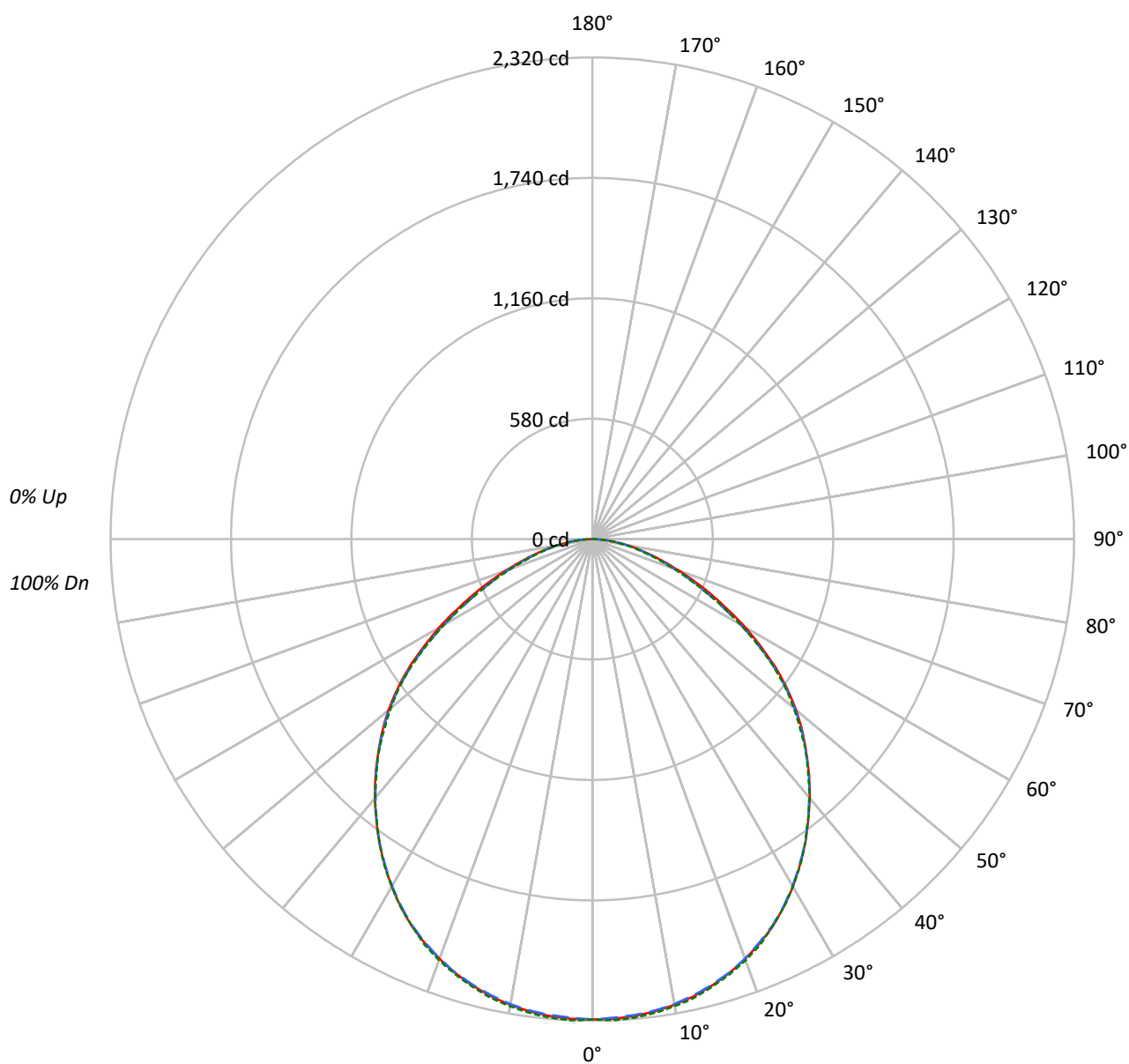
Lumens per Lamp: N/A
Luminaire Lumens: 5977.2 lumens
Efficiency: N/A
Efficacy: 99.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	100		
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72		
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61		
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46		
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36		
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3113	3113	3113
5°	3115	3108	3125
10°	3111	3106	3121
15°	3101	3095	3109
20°	3080	3078	3091
25°	3053	3048	3052
30°	3002	2995	3002
35°	2936	2932	2935
40°	2861	2852	2860
45°	2775	2767	2770
50°	2682	2670	2650
55°	2525	2496	2488
60°	2292	2214	2218
65°	2013	1912	1909
70°	1740	1661	1642
75°	1506	1450	1418
80°	1333	1314	1255
85°	1102	1139	1074

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 2785 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.4	3.7
10°-20°	628.5	10.5
20°-30°	946.2	15.8
30°-40°	1116.8	18.7
40°-50°	1123.2	18.8
50°-60°	948.2	15.9
60°-70°	609.0	10.2
70°-80°	302.9	5.1
80°-90°	83.0	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°	1794.1	30.0
0°-40°	2910.9	48.7
0°-60°	4982.3	83.4
0°-90°	5977.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5977.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2313	2313	2313	2313	2313	
5°	2307	2307	2302	2312	2314	219
15°	2226	2227	2222	2232	2232	628
25°	2056	2057	2053	2057	2056	946
35°	1788	1789	1785	1787	1787	1117
45°	1458	1464	1454	1456	1456	1126
55°	1076	1076	1064	1060	1061	958
65°	632	623	600	594	600	630
75°	290	288	279	276	273	313
85°	71	74	74	70	70	84
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2313.4	2313.4	2313.4	2313.4	2313.4
2.5°	2312.4	2313.4	2307.3	2318.2	2320.1
5°	2306.6	2307.3	2301.5	2312.4	2314.0
7.5°	2294.7	2295.7	2290.5	2300.5	2302.4
10°	2277.0	2279.8	2273.7	2283.1	2284.7
12.5°	2255.4	2256.3	2250.2	2261.2	2263.0
15°	2226.1	2226.7	2221.8	2231.9	2231.9
17.5°	2192.2	2193.1	2189.8	2198.3	2197.4
20°	2151.3	2153.8	2149.5	2155.3	2158.7
22.5°	2106.8	2107.7	2102.5	2110.2	2113.5
25°	2056.5	2057.1	2053.1	2057.1	2055.5
27.5°	1997.6	1999.1	1993.3	1997.6	1998.5
30°	1932.0	1936.2	1928.0	1931.4	1932.0
32.5°	1861.5	1863.9	1858.1	1859.0	1863.3
35°	1787.6	1788.6	1785.2	1786.7	1786.7
37.5°	1708.0	1711.4	1706.2	1708.6	1705.3
40°	1629.0	1625.6	1623.8	1625.6	1628.1
42.5°	1545.7	1546.6	1544.2	1542.3	1538.4
45°	1458.4	1463.6	1454.2	1456.0	1456.0
47.5°	1373.0	1373.6	1368.7	1363.5	1360.2
50°	1281.5	1281.5	1275.4	1271.4	1266.2
52.5°	1181.4	1179.9	1173.2	1168.9	1171.3
55°	1076.4	1075.5	1063.9	1059.7	1060.6
57.5°	961.4	963.2	945.5	941.3	941.3
60°	851.6	843.0	822.9	817.1	824.4
62.5°	736.2	726.2	704.5	704.5	710.3
65°	632.2	623.0	600.5	594.4	599.5
67.5°	534.9	526.3	505.6	502.2	503.7
70°	442.4	435.1	422.3	414.6	417.4
72.5°	362.8	356.1	347.5	341.7	338.4
75°	289.6	288.0	278.9	276.1	272.8
77.5°	229.1	228.5	220.9	217.5	214.2
80°	172.1	171.2	169.6	164.5	162.0
82.5°	122.7	122.7	121.7	117.5	115.0
85°	71.4	73.8	73.8	69.6	69.6
87.5°	28.7	30.2	28.7	28.7	27.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)