

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: P1050989

Luminaire Tested: 24PTR-72-PR1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050989
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-72-PR1-L935-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

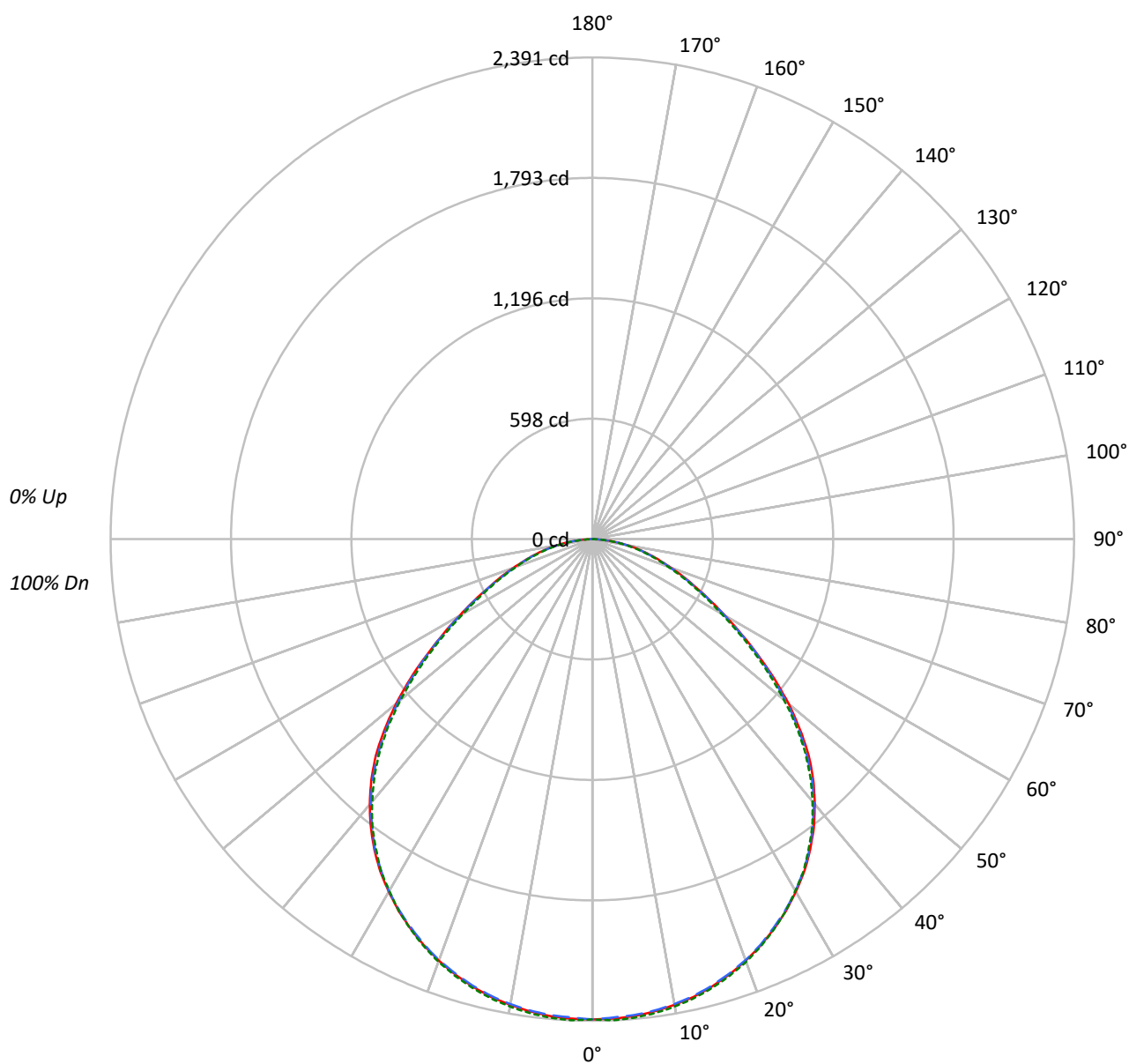
Lumens per Lamp: N/A
Luminaire Lumens: 6028.6 lumens
Efficiency: N/A
Efficacy: 100.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1050989

CATALOG NUMBER: 24PTR-72-PR1-L935-UNV-STD-W

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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3207	3207	3207
5°	3210	3203	3221
10°	3208	3202	3220
15°	3202	3197	3212
20°	3188	3184	3197
25°	3168	3160	3171
30°	3139	3135	3132
35°	3096	3089	3076
40°	3018	3006	2985
45°	2892	2860	2839
50°	2661	2631	2599
55°	2355	2345	2299
60°	2046	2039	1984
65°	1804	1793	1757
70°	1637	1613	1580
75°	1515	1480	1452
80°	1383	1364	1318
85°	1093	1084	1041

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2892 cd/sqm

TEST NUMBER: P1050989

CATALOG NUMBER: 24PTR-72-PR1-L935-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.1	3.8
10°-20°	649.0	10.8
20°-30°	983.2	16.3
30°-40°	1173.8	19.5
40°-50°	1154.3	19.1
50°-60°	892.2	14.8
60°-70°	562.6	9.3
70°-80°	304.3	5.0
80°-90°	83.1	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°	1858.3	30.8
0°-40°	3032.1	50.3
0°-60°	5078.6	84.2
0°-90°	6028.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6028.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2384	2384	2384	2384	2384	
5°	2377	2378	2372	2382	2385	226
15°	2298	2299	2295	2302	2306	649
25°	2134	2135	2128	2135	2136	983
35°	1885	1886	1881	1878	1873	1177
45°	1520	1514	1503	1491	1492	1164
55°	1004	1012	1000	983	980	901
65°	566	568	563	554	552	570
75°	292	288	285	286	279	310
85°	71	72	70	71	67	84
90°	0	0	0	0	0	

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CATALOG NUMBER: 24PTR-72-PR1-L935-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2383.8	2383.8	2383.8	2383.8	2383.8
2.5°	2382.8	2383.8	2376.9	2388.1	2390.6
5°	2376.9	2377.9	2371.7	2381.9	2384.7
7.5°	2364.8	2366.7	2360.8	2371.1	2373.5
10°	2347.8	2349.6	2343.7	2354.0	2356.5
12.5°	2326.7	2327.3	2322.3	2331.6	2334.1
15°	2298.4	2299.0	2295.0	2302.4	2305.9
17.5°	2265.8	2266.7	2260.8	2270.2	2271.7
20°	2226.7	2227.3	2223.9	2231.7	2232.6
22.5°	2182.9	2184.8	2179.5	2186.3	2187.3
25°	2133.6	2135.1	2128.3	2135.1	2136.1
27.5°	2081.4	2082.0	2076.1	2081.4	2080.5
30°	2020.6	2025.9	2018.1	2016.2	2015.6
32.5°	1957.6	1958.2	1950.7	1948.9	1952.3
35°	1884.9	1885.5	1880.6	1878.1	1872.8
37.5°	1805.5	1805.5	1795.8	1794.3	1793.3
40°	1718.2	1717.3	1711.4	1705.5	1699.3
42.5°	1623.2	1625.1	1613.0	1602.7	1601.2
45°	1519.9	1514.0	1502.8	1491.0	1491.9
47.5°	1397.9	1399.4	1384.2	1374.6	1372.1
50°	1271.2	1271.2	1256.9	1246.7	1241.4
52.5°	1139.0	1139.9	1126.2	1112.6	1109.8
55°	1003.9	1012.3	999.6	983.4	980.0
57.5°	877.6	884.4	872.3	855.2	854.3
60°	760.5	761.2	757.8	741.6	737.3
62.5°	660.6	656.2	654.4	646.0	640.7
65°	566.5	567.5	563.1	553.5	551.9
67.5°	490.5	489.5	481.8	475.9	472.5
70°	416.0	413.5	410.1	405.1	401.7
72.5°	349.5	349.5	346.7	345.2	339.3
75°	291.5	288.1	284.7	286.2	279.4
77.5°	235.9	232.5	229.7	226.3	224.8
80°	178.5	175.1	176.0	170.7	170.1
82.5°	123.9	123.9	122.3	118.0	118.9
85°	70.8	71.7	70.2	70.8	67.4
87.5°	25.8	26.4	28.2	26.4	26.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)