

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: P1050760

Luminaire Tested: 24PTR-100-PL1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050760
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-100-PL1-L935-UNV-STD-W
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

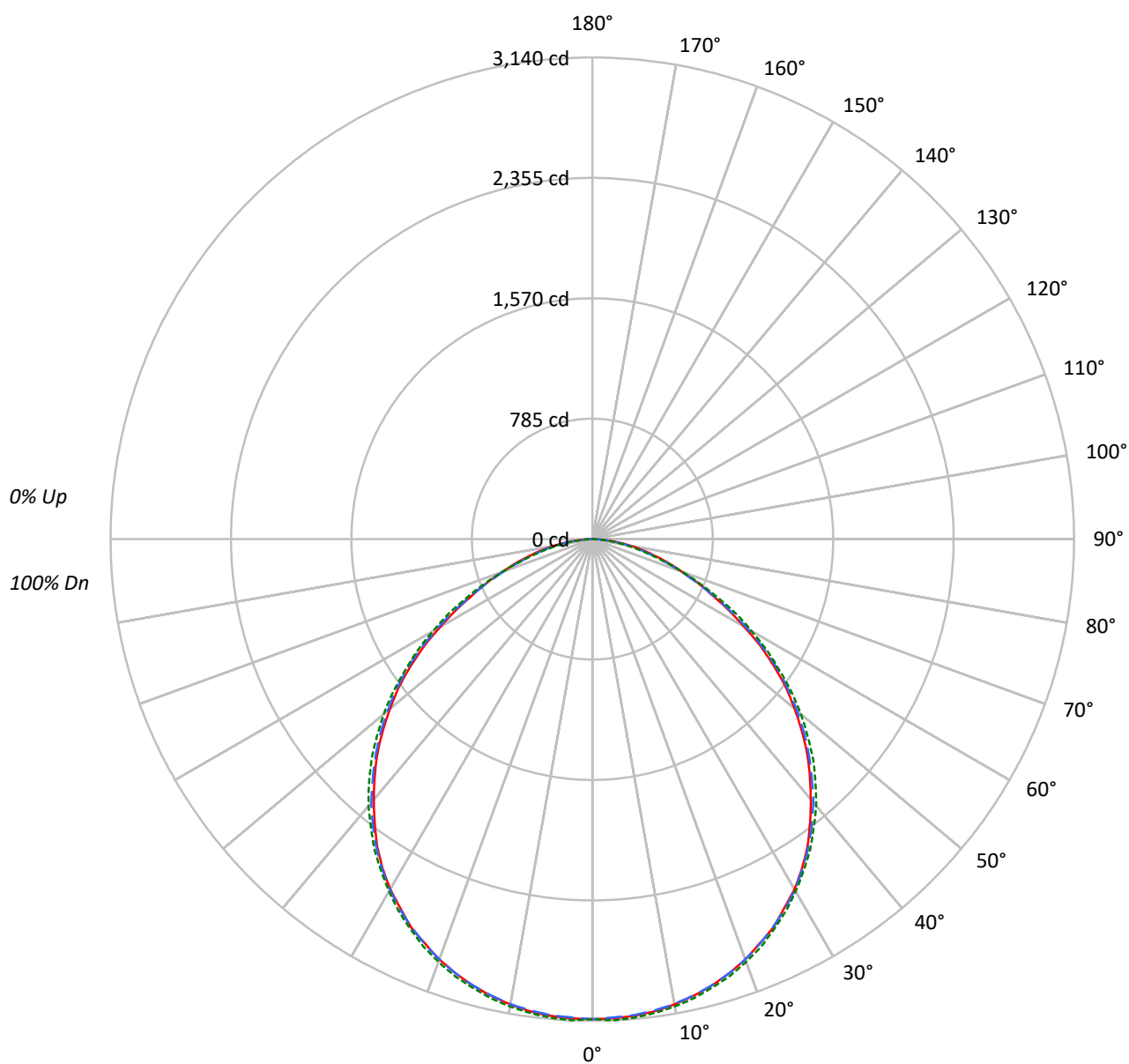
Lumens per Lamp: N/A
Luminaire Lumens: 8248.9 lumens
Efficiency: N/A
Efficacy: 97.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 85
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: P1050760

CATALOG NUMBER: 24PTR-100-PL1-L935-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050760

CATALOG NUMBER: 24PTR-100-PL1-L935-UNV-STD-W

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°	4211	4211	4211
5°	4214	4206	4229
10°	4209	4204	4228
15°	4196	4194	4215
20°	4175	4175	4198
25°	4147	4141	4164
30°	4094	4100	4120
35°	4016	4032	4064
40°	3892	3937	3987
45°	3770	3801	3874
50°	3604	3643	3715
55°	3395	3449	3490
60°	3079	3145	3223
65°	2735	2764	2876
70°	2445	2395	2454
75°	2205	2078	2037
80°	2005	1860	1652
85°	1698	1541	1326

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3874 cd/sqm

TEST NUMBER: P1050760

CATALOG NUMBER: 24PTR-100-PL1-L935-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	296.8	3.6
10°-20°	851.4	10.3
20°-30°	1287.8	15.6
30°-40°	1535.0	18.6
40°-50°	1543.6	18.7
50°-60°	1310.0	15.9
60°-70°	872.2	10.6
70°-80°	435.5	5.3
80°-90°	116.5	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°	2436.0	29.5
0°-40°	3971.1	48.1
0°-60°	6824.6	82.7
0°-90°	8248.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8248.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3129	3129	3129	3129	3129	
5°	3120	3121	3114	3128	3132	297
15°	3012	3016	3011	3024	3026	850
25°	2793	2793	2789	2802	2805	1284
35°	2445	2448	2454	2472	2474	1525
45°	1981	1985	1998	2024	2036	1524
55°	1447	1457	1470	1484	1488	1290
65°	859	866	868	881	903	861
75°	424	418	400	390	392	456
85°	110	108	100	94	86	127
90°	0	0	0	0	0	

TEST NUMBER: P1050760

CATALOG NUMBER: 24PTR-100-PL1-L935-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3129.4	3129.4	3129.4	3129.4	3129.4
2.5°	3126.8	3129.4	3120.9	3136.1	3139.9
5°	3120.1	3120.9	3114.2	3128.1	3131.5
7.5°	3104.9	3106.2	3099.0	3114.2	3116.3
10°	3080.5	3083.0	3077.1	3091.0	3094.4
12.5°	3049.3	3052.7	3046.8	3062.0	3064.5
15°	3012.3	3015.6	3011.0	3023.6	3026.2
17.5°	2966.8	2969.3	2966.8	2978.5	2985.3
20°	2915.8	2915.8	2915.8	2926.3	2932.2
22.5°	2852.2	2858.1	2855.5	2869.4	2875.3
25°	2793.2	2793.2	2789.4	2802.4	2804.6
27.5°	2710.6	2719.9	2719.0	2730.4	2732.9
30°	2635.2	2637.7	2639.0	2647.0	2651.6
32.5°	2543.8	2545.9	2549.7	2561.0	2562.3
35°	2445.2	2447.7	2454.5	2471.7	2474.3
37.5°	2330.6	2343.2	2349.1	2367.7	2369.8
40°	2215.6	2223.6	2241.3	2260.7	2269.9
42.5°	2098.5	2107.7	2118.3	2144.8	2153.2
45°	1981.3	1984.7	1997.8	2024.3	2036.1
47.5°	1851.6	1862.1	1873.5	1896.7	1903.8
50°	1721.8	1733.2	1740.4	1761.0	1774.9
52.5°	1590.8	1601.3	1609.3	1622.0	1635.9
55°	1447.1	1457.3	1470.3	1484.2	1487.6
57.5°	1301.0	1312.3	1320.8	1335.5	1350.7
60°	1144.2	1157.3	1168.7	1182.6	1197.7
62.5°	998.5	1003.9	1015.7	1038.9	1060.8
65°	859.0	866.2	868.3	881.3	903.3
67.5°	743.2	743.2	732.6	737.3	761.7
70°	621.4	616.8	608.8	604.1	623.9
72.5°	522.8	516.9	499.7	491.6	502.2
75°	424.2	418.3	399.8	390.5	391.8
77.5°	340.8	331.6	316.4	300.4	297.0
80°	258.7	254.9	240.1	225.0	213.2
82.5°	183.3	175.3	166.8	157.6	148.3
85°	110.0	107.9	99.8	93.9	85.9
87.5°	45.1	45.1	43.0	40.4	38.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)