

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: P1050530

Luminaire Tested: 24PTR-90-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050530
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-90-L935-UNV-STD-W
Description: 9000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

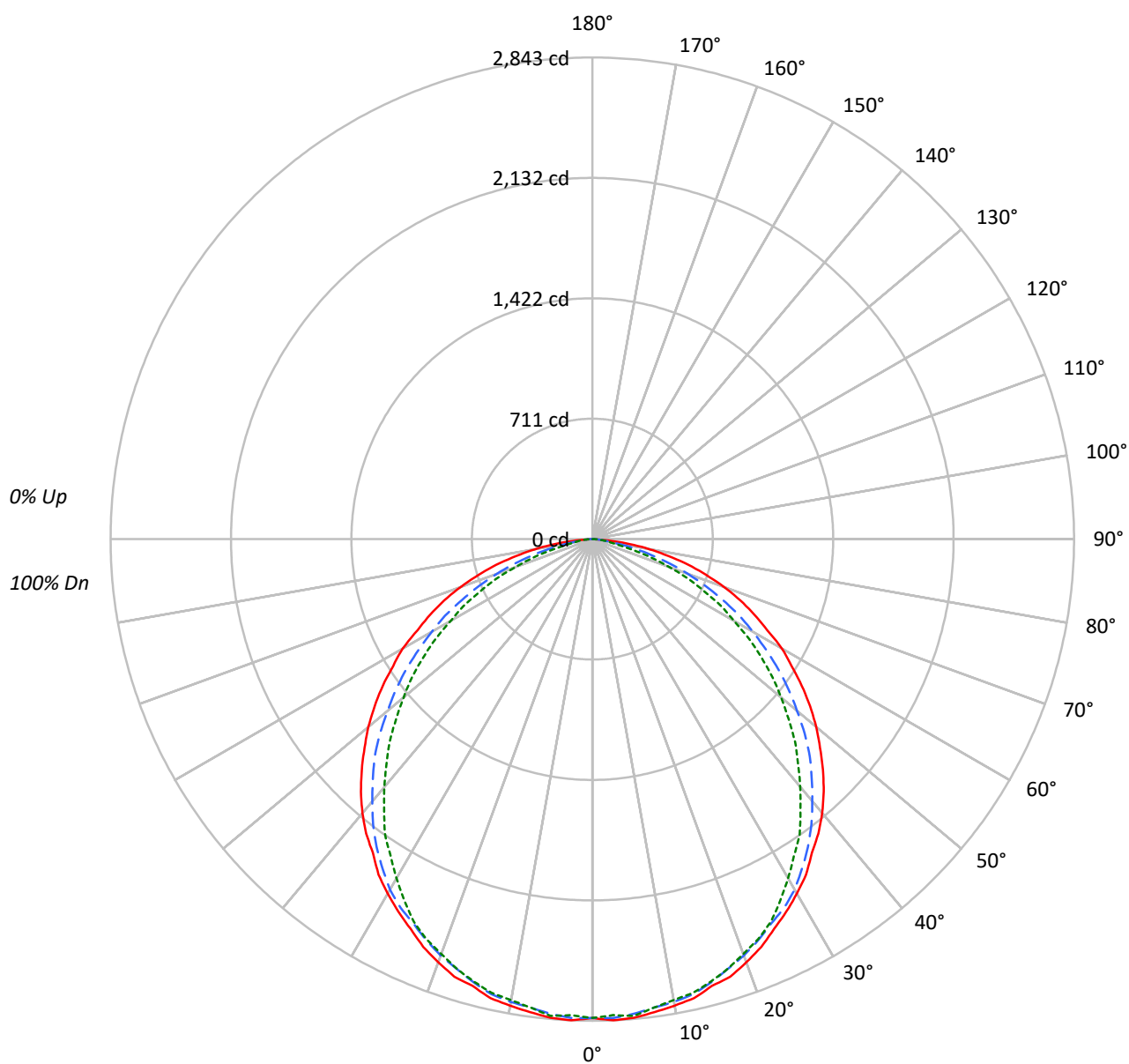
Lumens per Lamp: N/A
Luminaire Lumens: 7527.4 lumens
Efficiency: N/A
Efficacy: 99.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 76
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: P1050530

CATALOG NUMBER: 24PTR-90-L935-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050530

CATALOG NUMBER: 24PTR-90-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	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°	3802	3802	3802
5°	3830	3799	3815
10°	3819	3790	3774
15°	3803	3772	3765
20°	3805	3745	3731
25°	3768	3713	3701
30°	3753	3711	3590
35°	3710	3644	3503
40°	3707	3547	3352
45°	3661	3456	3219
50°	3611	3301	3044
55°	3541	3147	2859
60°	3478	2944	2595
65°	3360	2701	2320
70°	3251	2351	1894
75°	3054	1855	1304
80°	2648	1121	783
85°	1768	806	753

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3661 cd/sqm

TEST NUMBER: P1050530

CATALOG NUMBER: 24PTR-90-L935-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	267.9	3.6
10°-20°	766.5	10.2
20°-30°	1157.8	15.4
30°-40°	1376.6	18.3
40°-50°	1396.2	18.5
50°-60°	1212.4	16.1
60°-70°	860.7	11.4
70°-80°	411.3	5.5
80°-90°	78.0	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°	2192.2	29.1
0°-40°	3568.9	47.4
0°-60°	6177.4	82.1
0°-90°	7527.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7527.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2826	2826	2826	2826	2826	
5°	2836	2826	2812	2819	2824	269
15°	2730	2737	2708	2705	2703	773
25°	2538	2535	2501	2511	2493	1172
35°	2259	2255	2218	2143	2132	1419
45°	1924	1907	1816	1720	1692	1484
55°	1510	1464	1341	1262	1219	1349
65°	1055	976	848	757	729	1045
75°	587	480	357	283	251	616
85°	114	61	52	50	49	144
90°	0	0	0	0	0	

TEST NUMBER: P1050530

CATALOG NUMBER: 24PTR-90-L935-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2825.9	2825.9	2825.9	2825.9	2825.9
2.5°	2842.8	2832.7	2829.3	2841.1	2812.5
5°	2836.0	2825.9	2812.5	2819.2	2824.3
7.5°	2815.8	2807.4	2788.9	2804.1	2788.9
10°	2795.6	2787.2	2773.8	2778.8	2762.0
12.5°	2775.4	2755.2	2751.9	2755.2	2743.5
15°	2730.0	2736.7	2708.1	2704.8	2703.1
17.5°	2708.1	2691.3	2661.0	2662.7	2659.3
20°	2657.6	2637.4	2615.5	2612.2	2605.4
22.5°	2605.4	2581.9	2561.7	2571.8	2556.6
25°	2538.1	2534.8	2501.1	2511.2	2492.7
27.5°	2479.2	2467.4	2452.3	2430.4	2403.5
30°	2415.3	2403.5	2388.3	2331.1	2310.9
32.5°	2347.9	2334.5	2304.2	2236.8	2215.0
35°	2258.7	2255.4	2218.3	2142.6	2132.5
37.5°	2191.4	2154.4	2124.1	2046.7	2018.0
40°	2110.6	2090.4	2019.7	1945.7	1908.6
42.5°	2021.4	1997.8	1917.1	1838.0	1797.6
45°	1923.8	1907.0	1816.1	1720.1	1691.5
47.5°	1822.8	1807.7	1699.9	1607.4	1570.3
50°	1725.2	1706.7	1577.1	1487.9	1454.2
52.5°	1619.1	1588.9	1460.9	1373.4	1341.4
55°	1509.7	1464.3	1341.4	1262.3	1218.6
57.5°	1393.6	1351.5	1215.2	1132.7	1097.4
60°	1292.6	1233.7	1094.0	1009.9	964.4
62.5°	1163.0	1112.5	979.6	880.3	858.4
65°	1055.3	976.2	848.3	757.4	728.8
67.5°	945.9	853.3	723.7	631.2	616.0
70°	826.4	730.5	597.5	506.6	481.4
72.5°	705.2	611.0	481.4	385.4	370.3
75°	587.4	479.7	356.8	282.8	250.8
77.5°	459.5	361.9	250.8	173.4	153.2
80°	341.7	244.1	144.7	102.7	101.0
82.5°	223.9	141.4	77.4	79.1	75.7
85°	114.5	60.6	52.2	50.5	48.8
87.5°	21.9	23.6	25.2	25.2	25.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)