

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: P1050992

Luminaire Tested: 24PTR-90-PR1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050992
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-90-PR1-L935-UNV-STD-W
Description: 9000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

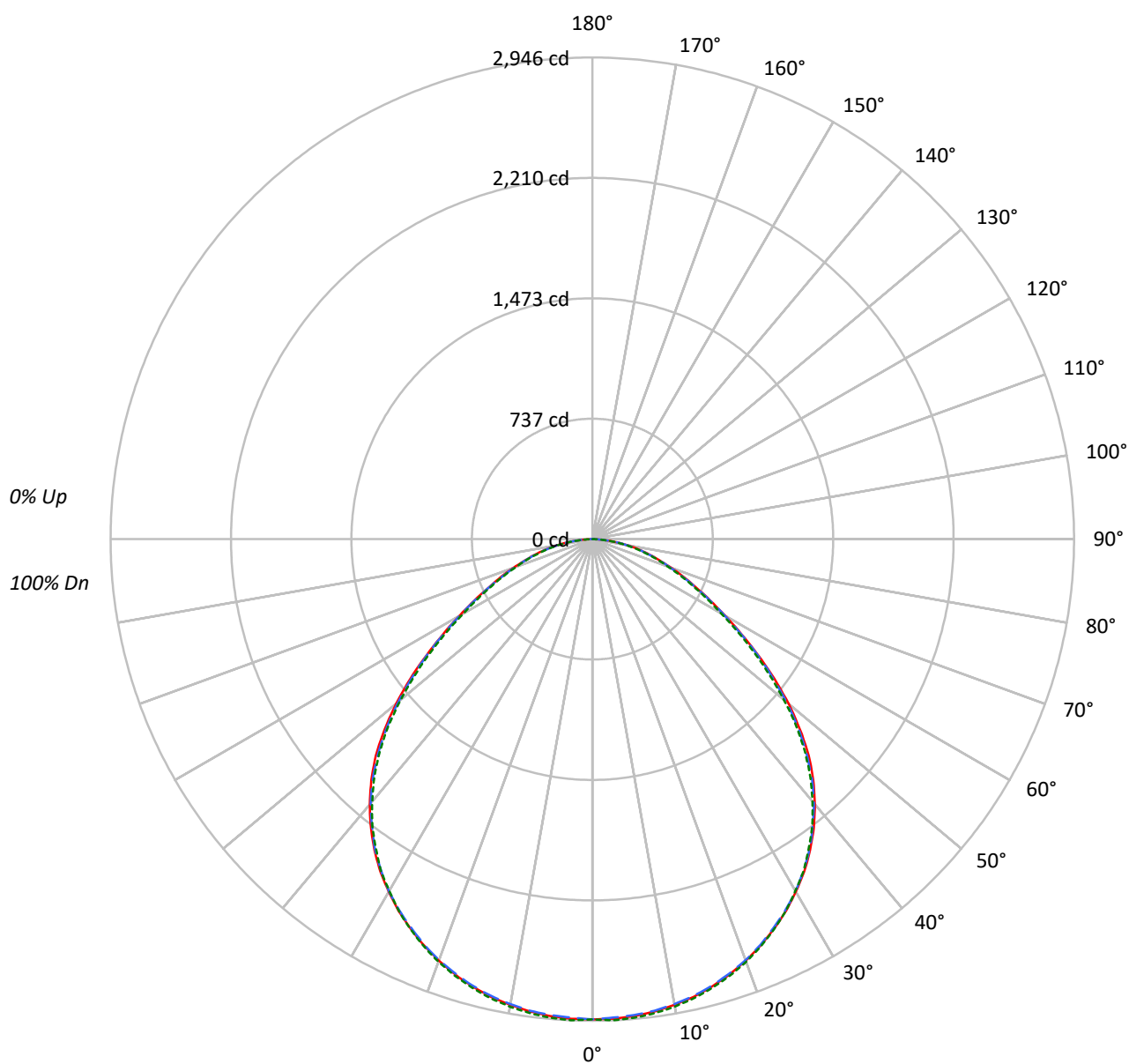
Lumens per Lamp: N/A
Luminaire Lumens: 7428.3 lumens
Efficiency: N/A
Efficacy: 97.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1050992

CATALOG NUMBER: 24PTR-90-PR1-L935-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050992

CATALOG NUMBER: 24PTR-90-PR1-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	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°	3952	3952	3952
5°	3956	3947	3969
10°	3952	3946	3967
15°	3945	3939	3958
20°	3929	3924	3939
25°	3903	3893	3907
30°	3868	3863	3859
35°	3815	3806	3790
40°	3719	3704	3678
45°	3563	3523	3498
50°	3279	3242	3202
55°	2902	2889	2833
60°	2522	2513	2444
65°	2223	2209	2165
70°	2017	1988	1947
75°	1867	1824	1790
80°	1704	1681	1624
85°	1346	1334	1281

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3563 cd/sqm

TEST NUMBER: P1050992

CATALOG NUMBER: 24PTR-90-PR1-L935-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.6	3.8
10°-20°	799.7	10.8
20°-30°	1211.5	16.3
30°-40°	1446.3	19.5
40°-50°	1422.3	19.1
50°-60°	1099.3	14.8
60°-70°	693.2	9.3
70°-80°	375.0	5.0
80°-90°	102.4	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°	2289.8	30.8
0°-40°	3736.1	50.3
0°-60°	6257.7	84.2
0°-90°	7428.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7428.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2937	2937	2937	2937	2937	
5°	2929	2930	2922	2935	2938	278
15°	2832	2833	2828	2837	2841	799
25°	2629	2631	2622	2631	2632	1212
35°	2323	2323	2317	2314	2308	1450
45°	1873	1866	1852	1837	1838	1434
55°	1237	1247	1232	1212	1208	1110
65°	698	699	694	682	680	702
75°	359	355	351	353	344	382
85°	87	88	86	87	83	104
90°	0	0	0	0	0	

TEST NUMBER: P1050992

CATALOG NUMBER: 24PTR-90-PR1-L935-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2937.2	2937.2	2937.2	2937.2	2937.2
2.5°	2936.1	2937.2	2928.8	2942.6	2945.7
5°	2928.8	2930.0	2922.3	2935.0	2938.4
7.5°	2913.9	2916.2	2908.9	2921.6	2924.6
10°	2892.9	2895.2	2887.9	2900.5	2903.6
12.5°	2866.9	2867.6	2861.5	2873.0	2876.0
15°	2832.1	2832.8	2827.8	2837.0	2841.2
17.5°	2791.9	2793.0	2785.8	2797.2	2799.2
20°	2743.7	2744.5	2740.3	2749.8	2751.0
22.5°	2689.8	2692.1	2685.6	2694.0	2695.1
25°	2628.9	2630.9	2622.4	2630.9	2632.0
27.5°	2564.7	2565.5	2558.2	2564.7	2563.5
30°	2489.7	2496.2	2486.7	2484.4	2483.6
32.5°	2412.1	2412.8	2403.7	2401.4	2405.6
35°	2322.6	2323.3	2317.2	2314.1	2307.6
37.5°	2224.6	2224.6	2212.8	2210.9	2209.7
40°	2117.2	2116.0	2108.7	2101.5	2093.8
42.5°	2000.1	2002.4	1987.5	1974.9	1973.0
45°	1872.7	1865.5	1851.7	1837.2	1838.3
47.5°	1722.4	1724.3	1705.6	1693.7	1690.7
50°	1566.4	1566.4	1548.8	1536.1	1529.6
52.5°	1403.4	1404.6	1387.7	1370.9	1367.5
55°	1237.0	1247.3	1231.7	1211.8	1207.6
57.5°	1081.3	1089.8	1074.8	1053.8	1052.7
60°	937.1	937.9	933.7	913.8	908.4
62.5°	814.0	808.6	806.3	796.0	789.5
65°	698.1	699.2	693.9	682.0	680.1
67.5°	604.4	603.2	593.6	586.4	582.2
70°	512.6	509.5	505.3	499.2	495.0
72.5°	430.7	430.7	427.3	425.3	418.1
75°	359.2	355.0	350.8	352.7	344.3
77.5°	290.7	286.5	283.1	278.8	276.9
80°	219.9	215.7	216.9	210.4	209.6
82.5°	152.6	152.6	150.7	145.4	146.5
85°	87.2	88.4	86.4	87.2	83.0
87.5°	31.7	32.5	34.8	32.5	32.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)