

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: P1051058

Luminaire Tested: 24PTR-90-PW1-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1051058
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-90-PW1-L930-UNV-STD-W
Description: 9000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

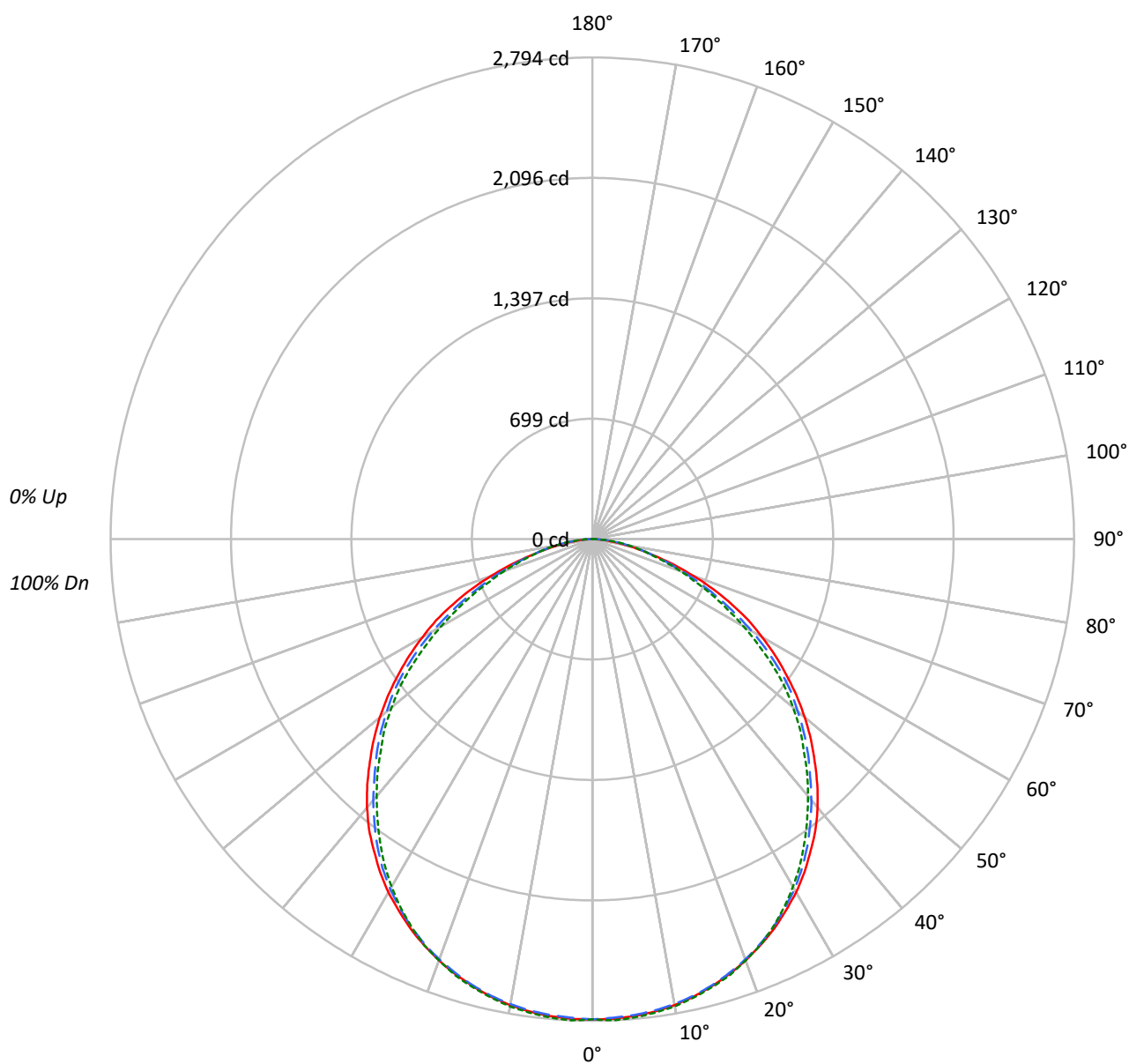
Lumens per Lamp: N/A
Luminaire Lumens: 7393.3 lumens
Efficiency: N/A
Efficacy: 97.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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: P1051058

CATALOG NUMBER: 24PTR-90-PW1-L930-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1051058

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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	95	98	95	92	94	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52		
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31		
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3748	3748	3748
5°	3752	3744	3763
10°	3750	3742	3760
15°	3739	3733	3747
20°	3723	3715	3723
25°	3703	3687	3684
30°	3675	3642	3617
35°	3625	3571	3525
40°	3570	3472	3417
45°	3471	3368	3300
50°	3366	3256	3181
55°	3226	3117	2993
60°	3059	2878	2727
65°	2829	2570	2442
70°	2452	2237	2153
75°	1958	1915	1862
80°	1488	1663	1663
85°	1101	1419	1419

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3471 cd/sqm

TEST NUMBER: P1051058

CATALOG NUMBER: 24PTR-90-PW1-L930-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.2	3.6
10°-20°	757.8	10.2
20°-30°	1145.3	15.5
30°-40°	1359.9	18.4
40°-50°	1370.1	18.5
50°-60°	1184.3	16.0
60°-70°	809.4	10.9
70°-80°	399.1	5.4
80°-90°	103.2	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°	2167.3	29.3
0°-40°	3527.2	47.7
0°-60°	6081.6	82.3
0°-90°	7393.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7393.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2786	2786	2786	2786	2786	
5°	2778	2779	2772	2783	2786	264
15°	2684	2687	2680	2689	2690	758
25°	2494	2492	2484	2486	2482	1149
35°	2207	2200	2174	2154	2146	1382
45°	1824	1804	1770	1750	1734	1408
55°	1375	1371	1329	1289	1276	1229
65°	889	857	807	772	767	877
75°	377	374	368	368	358	411
85°	71	84	92	94	92	87
90°	0	0	0	0	0	

TEST NUMBER: P1051058

CATALOG NUMBER: 24PTR-90-PW1-L930-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2785.9	2785.9	2785.9	2785.9	2785.9
2.5°	2785.2	2785.9	2778.8	2791.2	2794.2
5°	2777.7	2778.8	2771.7	2782.9	2785.9
7.5°	2764.6	2766.4	2758.2	2769.4	2771.7
10°	2744.7	2745.8	2738.7	2749.9	2752.2
12.5°	2718.0	2718.8	2712.8	2722.9	2722.9
15°	2683.9	2686.9	2679.8	2689.2	2689.9
17.5°	2645.6	2646.8	2639.6	2649.8	2652.0
20°	2600.3	2600.3	2594.3	2602.5	2600.3
22.5°	2549.6	2549.6	2542.5	2546.6	2548.5
25°	2494.1	2491.8	2483.6	2485.8	2481.7
27.5°	2430.0	2430.0	2415.3	2415.3	2408.2
30°	2365.1	2359.8	2344.4	2335.1	2327.9
32.5°	2290.4	2283.3	2263.8	2247.3	2242.0
35°	2207.1	2199.6	2173.8	2154.3	2146.0
37.5°	2126.5	2110.0	2075.9	2056.3	2047.0
40°	2032.3	2011.7	1976.8	1949.8	1945.7
42.5°	1931.4	1914.9	1869.5	1849.7	1844.8
45°	1824.2	1804.3	1770.1	1749.5	1734.1
47.5°	1718.7	1704.1	1665.1	1640.4	1635.1
50°	1608.1	1595.7	1555.6	1528.9	1519.6
52.5°	1493.7	1485.4	1451.3	1417.2	1405.9
55°	1375.1	1371.0	1328.6	1289.2	1275.7
57.5°	1258.5	1253.2	1200.3	1155.0	1142.6
60°	1136.6	1121.2	1069.4	1027.0	1013.5
62.5°	1021.0	988.0	932.1	899.1	883.8
65°	888.6	856.7	807.2	772.0	767.1
67.5°	758.8	720.6	682.3	660.6	644.1
70°	623.4	597.5	568.7	550.3	547.3
72.5°	497.4	479.0	464.4	453.1	443.8
75°	376.6	373.6	368.4	368.4	358.2
77.5°	276.8	284.0	288.1	287.0	289.2
80°	192.1	206.3	214.6	215.7	214.6
82.5°	121.9	138.4	151.9	153.8	156.0
85°	71.3	83.6	91.9	93.8	91.9
87.5°	31.9	40.1	42.4	44.3	42.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)