

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: P1050519

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050519
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-L930-UNV-STD-W
Description: 9000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

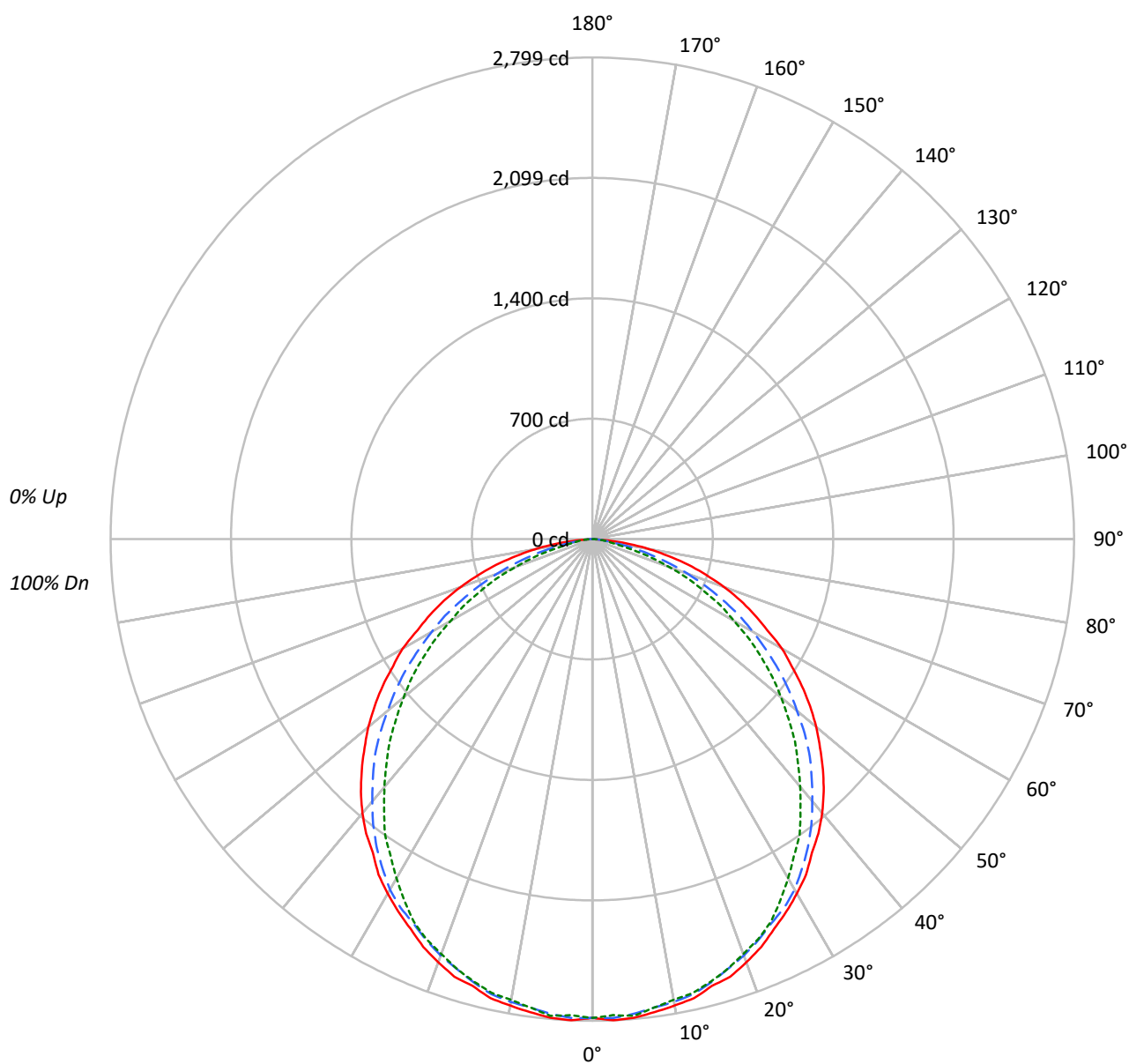
Lumens per Lamp: N/A
Luminaire Lumens: 7410.7 lumens
Efficiency: N/A
Efficacy: 97.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

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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	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°	3743	3743	3743
5°	3771	3740	3755
10°	3760	3731	3715
15°	3744	3714	3707
20°	3746	3687	3673
25°	3710	3655	3643
30°	3694	3653	3535
35°	3653	3587	3448
40°	3650	3492	3300
45°	3604	3402	3169
50°	3555	3250	2997
55°	3487	3098	2814
60°	3425	2898	2555
65°	3308	2659	2284
70°	3201	2314	1864
75°	3006	1826	1284
80°	2607	1104	770
85°	1740	794	743

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3604 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.7	3.6
10°-20°	754.6	10.2
20°-30°	1139.9	15.4
30°-40°	1355.3	18.3
40°-50°	1374.5	18.5
50°-60°	1193.6	16.1
60°-70°	847.3	11.4
70°-80°	404.9	5.5
80°-90°	76.8	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°	2158.2	29.1
0°-40°	3513.5	47.4
0°-60°	6081.6	82.1
0°-90°	7410.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7410.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2782	2782	2782	2782	2782	
5°	2792	2782	2769	2776	2780	265
15°	2688	2694	2666	2663	2661	761
25°	2499	2495	2462	2472	2454	1154
35°	2224	2220	2184	2109	2099	1397
45°	1894	1877	1788	1694	1665	1461
55°	1486	1442	1321	1243	1200	1328
65°	1039	961	835	746	718	1029
75°	578	472	351	278	247	606
85°	113	60	51	50	48	142
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2782.1	2782.1	2782.1	2782.1	2782.1
2.5°	2798.7	2788.7	2785.4	2797.0	2768.8
5°	2792.0	2782.1	2768.8	2775.5	2780.4
7.5°	2772.2	2763.9	2745.7	2760.6	2745.7
10°	2752.3	2744.0	2730.7	2735.7	2719.1
12.5°	2732.4	2712.5	2709.2	2712.5	2700.9
15°	2687.7	2694.3	2666.1	2662.8	2661.1
17.5°	2666.1	2649.5	2619.7	2621.4	2618.1
20°	2616.4	2596.5	2575.0	2571.7	2565.0
22.5°	2565.0	2541.8	2522.0	2531.9	2517.0
25°	2498.8	2495.4	2462.3	2472.2	2454.0
27.5°	2440.8	2429.2	2414.3	2392.7	2366.2
30°	2377.8	2366.2	2351.3	2294.9	2275.1
32.5°	2311.5	2298.3	2268.4	2202.2	2180.6
35°	2223.7	2220.4	2183.9	2109.4	2099.4
37.5°	2157.4	2121.0	2091.1	2014.9	1986.7
40°	2077.9	2058.0	1988.4	1915.5	1879.0
42.5°	1990.1	1966.9	1887.3	1809.4	1769.7
45°	1894.0	1877.4	1787.9	1693.5	1665.3
47.5°	1794.5	1779.6	1673.6	1582.4	1546.0
50°	1698.4	1680.2	1552.6	1464.8	1431.6
52.5°	1594.0	1564.2	1438.3	1352.1	1320.6
55°	1486.3	1441.6	1320.6	1242.8	1199.7
57.5°	1372.0	1330.6	1196.4	1115.2	1080.4
60°	1272.6	1214.6	1077.1	994.2	949.5
62.5°	1145.0	1095.3	964.4	866.6	845.1
65°	1038.9	961.1	835.1	745.7	717.5
67.5°	931.2	840.1	712.5	621.4	606.5
70°	813.6	719.1	588.2	498.8	473.9
72.5°	694.3	601.5	473.9	379.5	364.5
75°	578.3	472.2	351.3	278.4	246.9
77.5°	452.4	356.3	246.9	170.7	150.8
80°	336.4	240.3	142.5	101.1	99.4
82.5°	220.4	139.2	76.2	77.9	74.6
85°	112.7	59.7	51.4	49.7	48.1
87.5°	21.5	23.2	24.9	24.9	24.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)