

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: P1050761

Luminaire Tested: 24PTR-90-PL1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050761
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-90-PL1-L935-UNV-STD-W
Description: 9000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

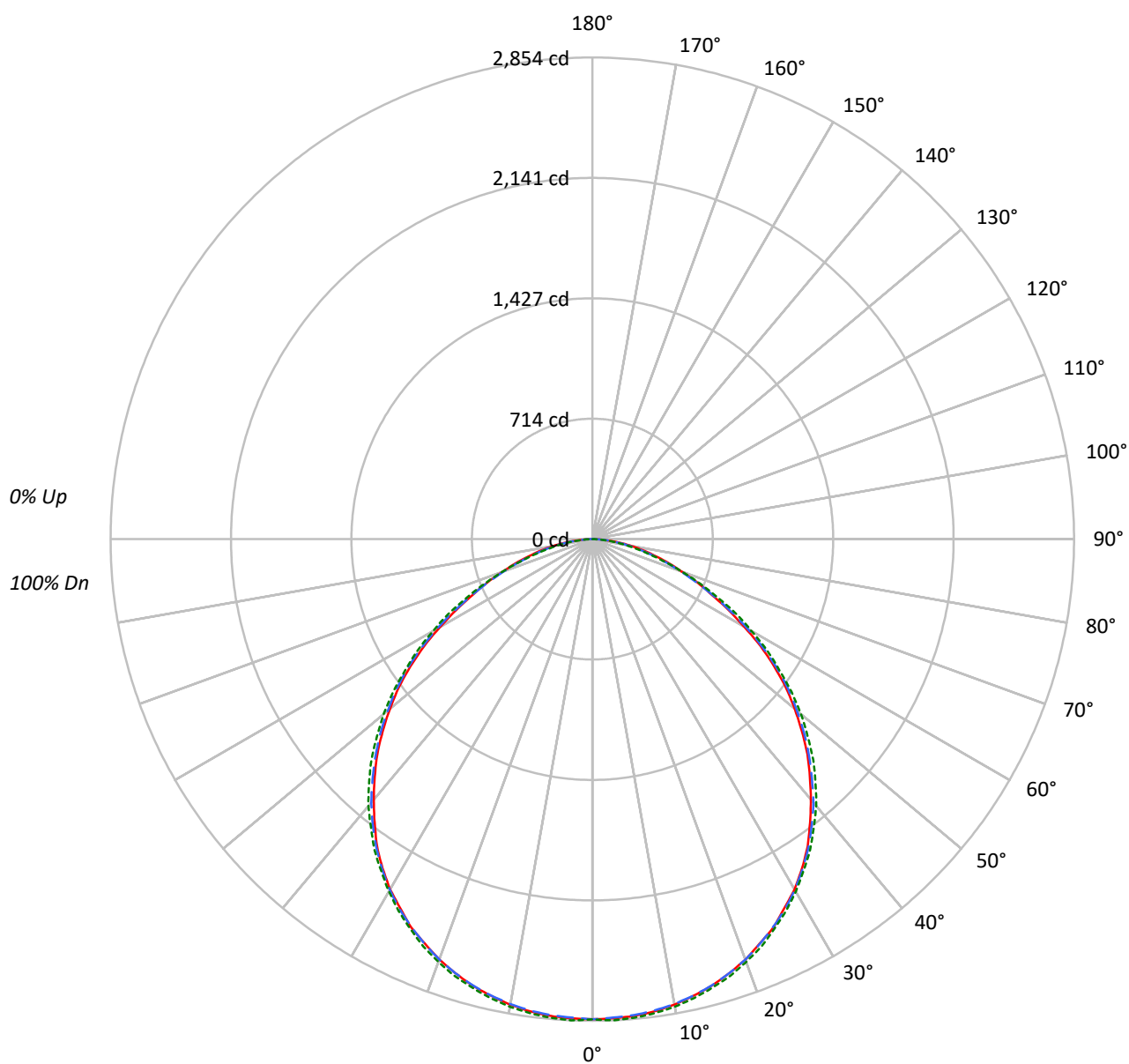
Lumens per Lamp: N/A
Luminaire Lumens: 7499.1 lumens
Efficiency: N/A
Efficacy: 98.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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	100		
1	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61		
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52		
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46		
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40		
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29		
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3828	3828	3828
5°	3831	3824	3845
10°	3826	3822	3843
15°	3814	3813	3832
20°	3795	3795	3817
25°	3770	3765	3785
30°	3722	3727	3745
35°	3651	3665	3695
40°	3538	3579	3625
45°	3427	3456	3522
50°	3277	3312	3378
55°	3086	3136	3172
60°	2799	2859	2930
65°	2486	2513	2614
70°	2222	2177	2231
75°	2005	1890	1852
80°	1822	1691	1502
85°	1544	1402	1206

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3522 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	269.9	3.6
10°-20°	774.0	10.3
20°-30°	1170.7	15.6
30°-40°	1395.5	18.6
40°-50°	1403.2	18.7
50°-60°	1190.9	15.9
60°-70°	792.9	10.6
70°-80°	395.9	5.3
80°-90°	105.9	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°	2214.6	29.5
0°-40°	3610.1	48.1
0°-60°	6204.3	82.7
0°-90°	7499.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7499.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2845	2845	2845	2845	2845	
5°	2836	2837	2831	2844	2847	270
15°	2738	2742	2737	2749	2751	773
25°	2539	2539	2536	2548	2550	1168
35°	2223	2225	2231	2247	2249	1387
45°	1801	1804	1816	1840	1851	1386
55°	1316	1325	1337	1349	1352	1172
65°	781	787	789	801	821	783
75°	386	380	364	355	356	414
85°	100	98	91	85	78	116
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2844.9	2844.9	2844.9	2844.9	2844.9
2.5°	2842.6	2844.9	2837.3	2851.0	2854.5
5°	2836.5	2837.3	2831.1	2843.8	2846.8
7.5°	2822.7	2823.9	2817.3	2831.1	2833.0
10°	2800.5	2802.8	2797.4	2810.1	2813.1
12.5°	2772.1	2775.2	2769.8	2783.6	2785.9
15°	2738.4	2741.5	2737.3	2748.8	2751.1
17.5°	2697.1	2699.4	2697.1	2707.8	2713.9
20°	2650.7	2650.7	2650.7	2660.3	2665.7
22.5°	2592.9	2598.3	2596.0	2608.6	2614.0
25°	2539.3	2539.3	2535.8	2547.7	2549.6
27.5°	2464.2	2472.6	2471.9	2482.2	2484.5
30°	2395.7	2398.0	2399.1	2406.4	2410.6
32.5°	2312.5	2314.5	2317.9	2328.3	2329.4
35°	2222.9	2225.2	2231.4	2247.1	2249.4
37.5°	2118.7	2130.2	2135.6	2152.5	2154.4
40°	2014.2	2021.5	2037.6	2055.2	2063.6
42.5°	1907.7	1916.1	1925.7	1949.8	1957.5
45°	1801.2	1804.3	1816.2	1840.3	1851.0
47.5°	1683.3	1692.9	1703.2	1724.3	1730.8
50°	1565.3	1575.7	1582.2	1600.9	1613.6
52.5°	1446.2	1455.8	1463.1	1474.5	1487.2
55°	1315.6	1324.8	1336.7	1349.3	1352.4
57.5°	1182.7	1193.0	1200.7	1214.1	1227.9
60°	1040.2	1052.1	1062.4	1075.1	1088.9
62.5°	907.7	912.7	923.4	944.5	964.4
65°	780.9	787.4	789.4	801.2	821.1
67.5°	675.6	675.6	666.0	670.2	692.5
70°	564.9	560.7	553.4	549.2	567.2
72.5°	475.3	469.9	454.2	447.0	456.5
75°	385.7	380.3	363.5	355.0	356.2
77.5°	309.8	301.4	287.6	273.1	270.0
80°	235.2	231.7	218.3	204.5	193.8
82.5°	166.6	159.3	151.7	143.2	134.8
85°	100.0	98.0	90.8	85.4	78.1
87.5°	41.0	41.0	39.1	36.8	34.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)