

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: P1050904

Luminaire Tested: 24PTR-90-PP3-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050904
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-90-PP3-L930-UNV-STD-W
Description: 9000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

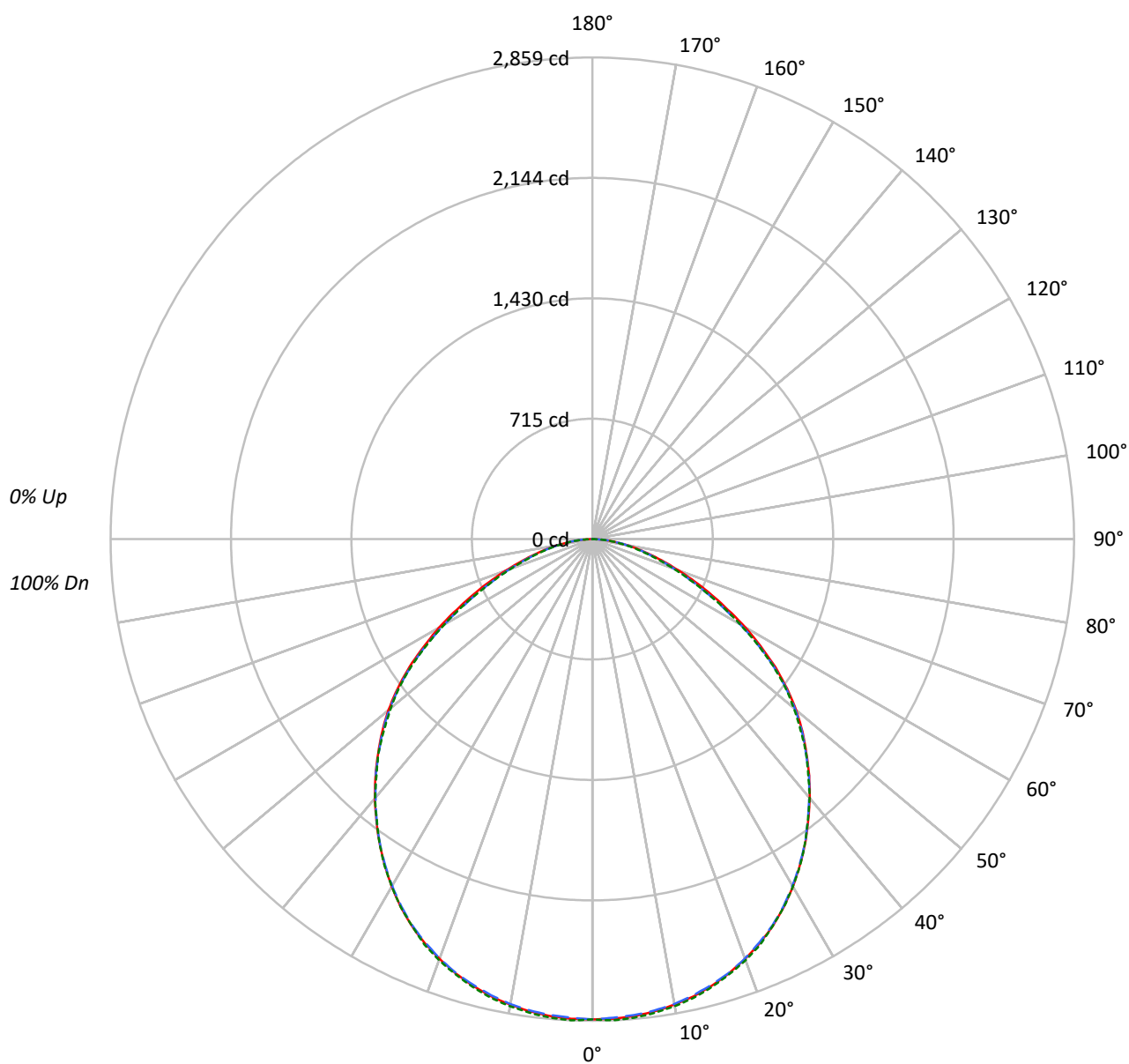
Lumens per Lamp: N/A
Luminaire Lumens: 7365.2 lumens
Efficiency: N/A
Efficacy: 96.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

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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	99	96	93	95	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72		
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61		
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46		
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36		
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3835	3835	3835
5°	3839	3830	3851
10°	3833	3828	3846
15°	3821	3814	3831
20°	3796	3793	3809
25°	3762	3756	3760
30°	3699	3691	3699
35°	3618	3613	3616
40°	3526	3514	3524
45°	3420	3410	3414
50°	3305	3289	3266
55°	3111	3075	3066
60°	2824	2729	2734
65°	2480	2356	2352
70°	2145	2047	2023
75°	1855	1786	1747
80°	1643	1619	1547
85°	1359	1405	1323

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3432 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	270.3	3.7
10°-20°	774.5	10.5
20°-30°	1166.0	15.8
30°-40°	1376.1	18.7
40°-50°	1384.0	18.8
50°-60°	1168.4	15.9
60°-70°	750.4	10.2
70°-80°	373.2	5.1
80°-90°	102.2	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°	2210.8	30.0
0°-40°	3586.9	48.7
0°-60°	6139.4	83.4
0°-90°	7365.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7365.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2851	2851	2851	2851	2851	
5°	2842	2843	2836	2850	2851	270
15°	2743	2744	2738	2750	2750	774
25°	2534	2535	2530	2535	2533	1166
35°	2203	2204	2200	2202	2202	1377
45°	1797	1804	1792	1794	1794	1387
55°	1326	1325	1311	1306	1307	1180
65°	779	768	740	732	739	777
75°	357	355	344	340	336	386
85°	88	91	91	86	86	103
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2850.6	2850.6	2850.6	2850.6	2850.6
2.5°	2849.5	2850.6	2843.1	2856.6	2858.9
5°	2842.3	2843.1	2835.9	2849.5	2851.3
7.5°	2827.7	2828.8	2822.4	2834.8	2837.0
10°	2805.8	2809.2	2801.7	2813.4	2815.2
12.5°	2779.2	2780.3	2772.8	2786.3	2788.5
15°	2743.1	2743.8	2737.8	2750.2	2750.2
17.5°	2701.3	2702.5	2698.3	2708.8	2707.7
20°	2650.9	2654.0	2648.7	2655.8	2660.0
22.5°	2596.1	2597.2	2590.8	2600.2	2604.3
25°	2534.0	2534.8	2529.9	2534.8	2532.9
27.5°	2461.5	2463.3	2456.2	2461.5	2462.6
30°	2380.6	2385.9	2375.7	2379.9	2380.6
32.5°	2293.8	2296.8	2289.6	2290.8	2296.0
35°	2202.8	2203.9	2199.8	2201.7	2201.7
37.5°	2104.7	2108.8	2102.4	2105.4	2101.3
40°	2007.3	2003.2	2000.9	2003.2	2006.2
42.5°	1904.7	1905.8	1902.8	1900.5	1895.6
45°	1797.1	1803.5	1791.9	1794.1	1794.1
47.5°	1691.9	1692.6	1686.6	1680.2	1676.1
50°	1579.1	1579.1	1571.5	1566.7	1560.3
52.5°	1455.7	1453.9	1445.6	1440.3	1443.3
55°	1326.4	1325.3	1311.0	1305.7	1306.9
57.5°	1184.7	1186.9	1165.1	1159.9	1159.9
60°	1049.3	1038.8	1014.0	1006.8	1015.9
62.5°	907.2	894.8	868.1	868.1	875.3
65°	779.0	767.7	739.9	732.4	738.8
67.5°	659.1	648.5	623.0	618.8	620.7
70°	545.2	536.1	520.3	510.9	514.3
72.5°	447.0	438.8	428.2	421.1	416.9
75°	356.8	354.9	343.6	340.3	336.1
77.5°	282.4	281.6	272.2	268.1	263.9
80°	212.0	210.9	209.0	202.6	199.6
82.5°	151.1	151.1	150.0	144.7	141.7
85°	88.0	91.0	91.0	85.7	85.7
87.5°	35.3	37.2	35.3	35.3	34.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)