

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: P1050684

Luminaire Tested: 24PTR-90-PC3-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050684
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-90-PC3-L935-UNV-STD-W
Description: 9000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

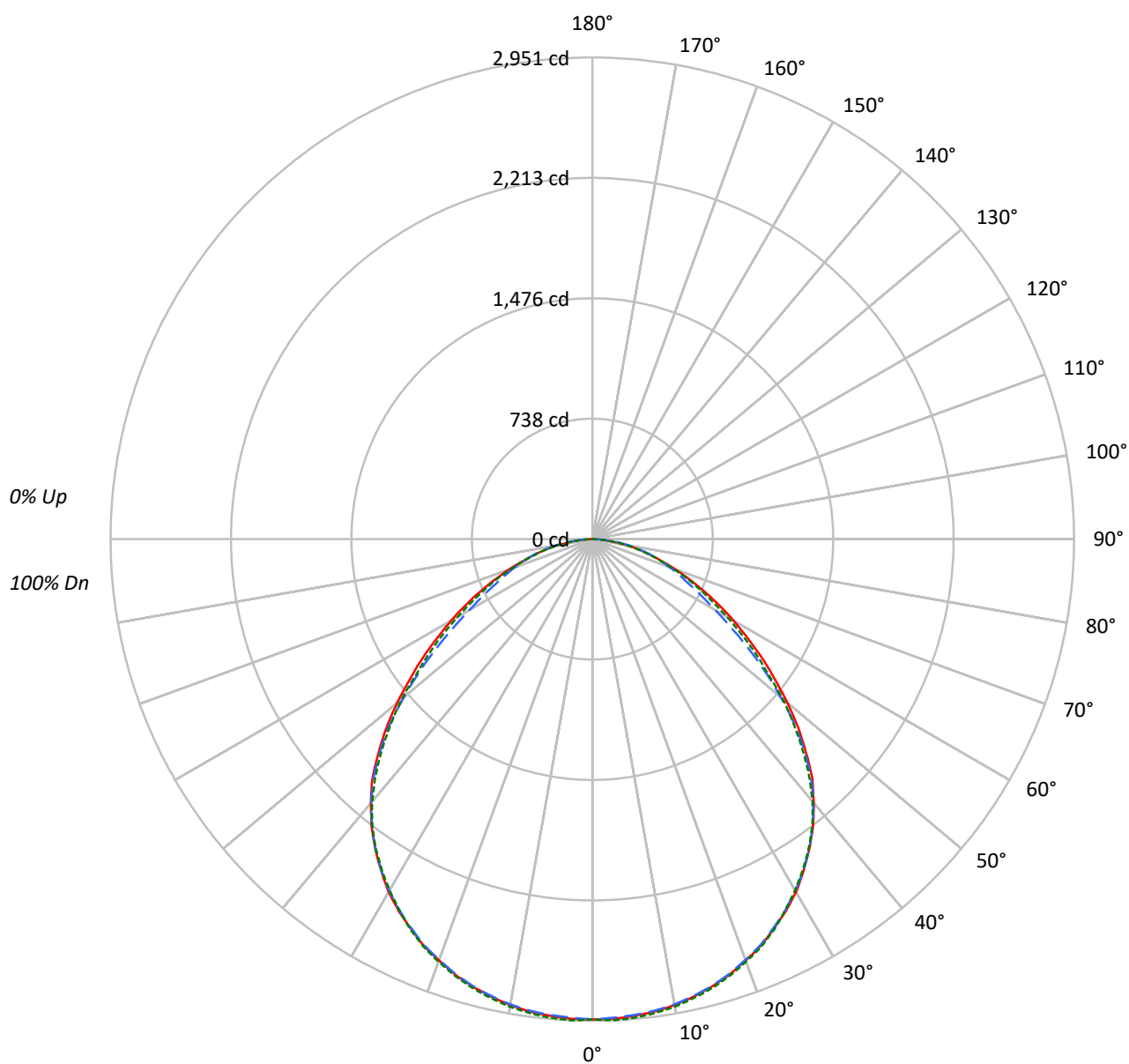
Lumens per Lamp: N/A
Luminaire Lumens: 7419.5 lumens
Efficiency: N/A
Efficacy: 97.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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: P1050684

CATALOG NUMBER: 24PTR-90-PC3-L935-UNV-STD-W

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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72		
3	92	82	74	68	90	80	73	68	77	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	46	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	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3960	3960	3960
5°	3961	3954	3976
10°	3961	3953	3975
15°	3951	3947	3965
20°	3933	3927	3944
25°	3907	3901	3916
30°	3878	3865	3858
35°	3807	3804	3797
40°	3707	3701	3684
45°	3525	3499	3463
50°	3263	3153	3189
55°	2978	2736	2859
60°	2685	2334	2560
65°	2400	2088	2302
70°	2129	1976	2070
75°	1883	1915	1845
80°	1624	1829	1615
85°	1216	1447	1216

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3533 cd/sqm

TEST NUMBER: P1050684

CATALOG NUMBER: 24PTR-90-PC3-L935-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	279.1	3.8
10°-20°	801.2	10.8
20°-30°	1213.0	16.3
30°-40°	1446.2	19.5
40°-50°	1413.1	19.0
50°-60°	1080.5	14.6
60°-70°	693.7	9.4
70°-80°	386.0	5.2
80°-90°	106.6	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°	2293.4	30.9
0°-40°	3739.6	50.4
0°-60°	6233.2	84.0
0°-90°	7419.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7419.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2943	2943	2943	2943	2943	
5°	2933	2934	2927	2941	2944	279
15°	2837	2839	2834	2843	2846	801
25°	2632	2635	2627	2636	2638	1214
35°	2318	2320	2316	2315	2312	1448
45°	1853	1857	1839	1835	1820	1425
55°	1269	1225	1166	1181	1219	1135
65°	754	696	656	678	723	752
75°	362	365	368	363	355	387
85°	79	93	94	91	79	97
90°	0	0	0	0	0	

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CATALOG NUMBER: 24PTR-90-PC3-L935-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2942.9	2942.9	2942.9	2942.9	2942.9
2.5°	2941.0	2942.2	2934.5	2947.1	2951.4
5°	2932.6	2934.5	2927.3	2941.0	2944.1
7.5°	2920.0	2921.9	2914.6	2928.4	2929.6
10°	2899.0	2900.1	2893.6	2907.4	2909.3
12.5°	2870.7	2873.7	2866.5	2879.1	2879.8
15°	2836.6	2838.9	2833.6	2843.1	2846.2
17.5°	2796.8	2798.0	2792.6	2803.0	2804.1
20°	2747.1	2747.1	2742.9	2754.8	2754.8
22.5°	2696.6	2693.6	2692.4	2696.6	2703.1
25°	2631.6	2634.7	2627.4	2635.8	2637.7
27.5°	2568.5	2568.5	2562.0	2566.2	2560.9
30°	2495.9	2491.7	2487.4	2488.2	2483.2
32.5°	2408.3	2408.3	2406.4	2406.4	2399.9
35°	2318.0	2319.9	2315.7	2314.6	2311.5
37.5°	2220.9	2224.3	2216.7	2214.8	2212.5
40°	2110.4	2110.4	2107.3	2103.1	2097.7
42.5°	1995.6	1995.6	1982.2	1971.5	1964.3
45°	1852.6	1856.8	1838.8	1834.6	1820.1
47.5°	1710.3	1707.2	1683.2	1680.1	1671.7
50°	1558.9	1540.9	1506.5	1515.6	1523.3
52.5°	1407.4	1385.2	1334.7	1345.1	1357.7
55°	1269.3	1225.4	1166.5	1181.0	1218.9
57.5°	1125.2	1066.3	1007.4	1034.9	1081.9
60°	997.8	931.6	867.4	896.8	951.5
62.5°	875.8	805.4	753.8	782.1	828.4
65°	753.8	695.7	655.9	677.7	723.2
67.5°	642.1	603.1	576.0	586.3	623.0
70°	541.2	516.7	502.2	505.2	526.2
72.5°	445.2	439.1	433.7	433.7	435.6
75°	362.2	365.2	368.3	363.3	354.9
77.5°	285.3	295.6	303.3	292.6	282.2
80°	209.6	226.4	236.0	224.1	208.4
82.5°	143.0	162.2	165.2	158.0	140.0
85°	78.8	92.6	93.7	90.6	78.8
87.5°	29.4	34.8	37.9	34.8	30.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)