

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: P1051069

Luminaire Tested: 24PTR-90-PW1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1051069
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-L935-UNV-STD-W
Description: 9000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

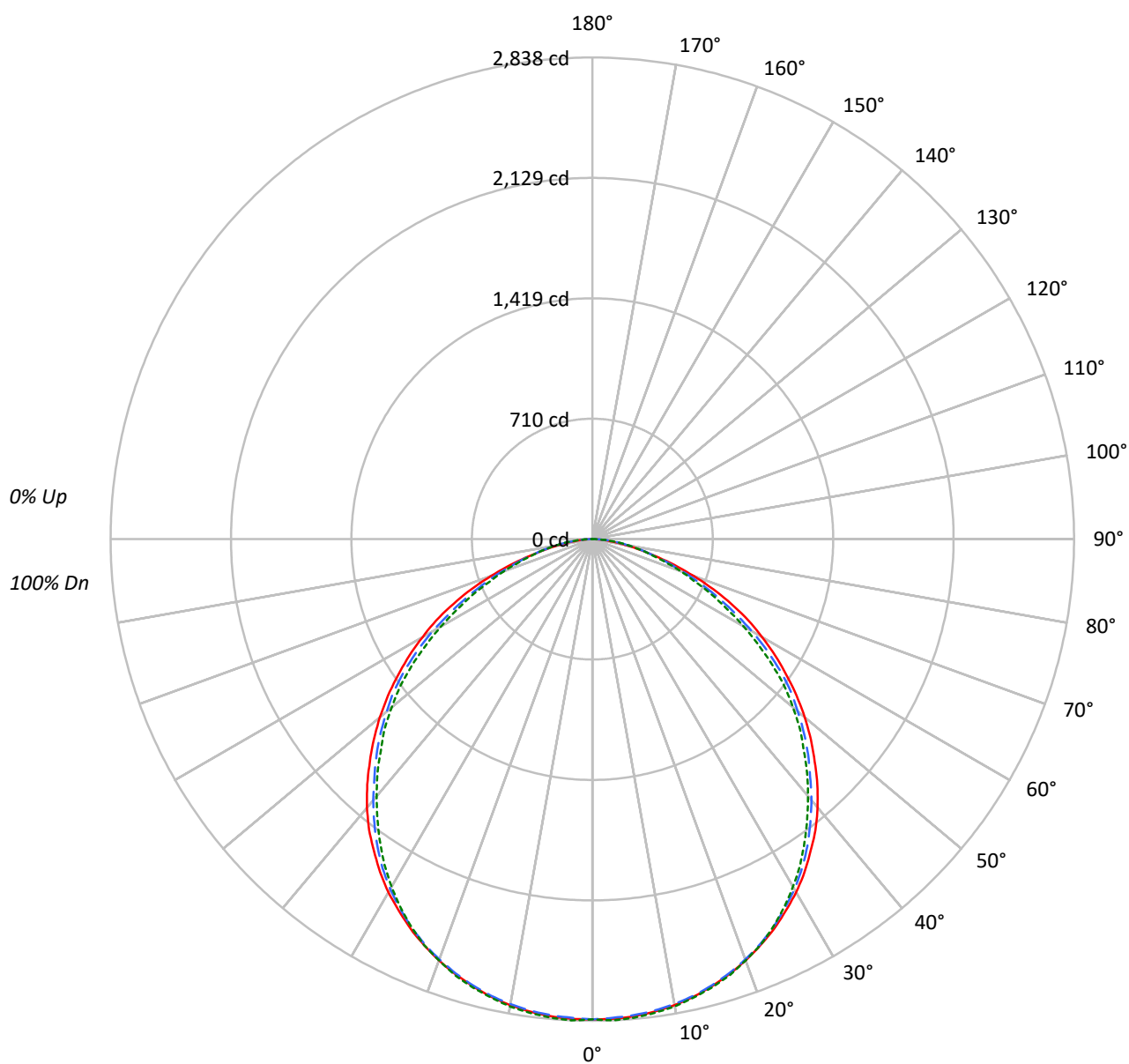
Lumens per Lamp: N/A
Luminaire Lumens: 7510.7 lumens
Efficiency: N/A
Efficacy: 98.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

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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	95	98	95	92	94	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	74	74	71
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	57	68	61	56	66	60	55	64	59	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	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	33	33	31
9	58	44	36	31	56	44	36	31	43	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	28	38	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3808	3808	3808
5°	3811	3803	3823
10°	3809	3801	3820
15°	3798	3792	3806
20°	3782	3773	3782
25°	3761	3746	3743
30°	3733	3700	3674
35°	3683	3627	3581
40°	3626	3527	3472
45°	3526	3422	3352
50°	3419	3308	3231
55°	3277	3166	3040
60°	3107	2923	2771
65°	2874	2611	2481
70°	2491	2273	2187
75°	1989	1945	1892
80°	1512	1689	1689
85°	1118	1442	1442

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3526 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.4	3.6
10°-20°	769.8	10.2
20°-30°	1163.5	15.5
30°-40°	1381.5	18.4
40°-50°	1391.8	18.5
50°-60°	1203.1	16.0
60°-70°	822.2	10.9
70°-80°	405.5	5.4
80°-90°	104.9	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°	2201.7	29.3
0°-40°	3583.2	47.7
0°-60°	6178.1	82.3
0°-90°	7510.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7510.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2830	2830	2830	2830	2830	
5°	2822	2823	2816	2827	2830	268
15°	2726	2730	2722	2732	2733	770
25°	2534	2531	2523	2525	2521	1167
35°	2242	2235	2208	2188	2180	1404
45°	1853	1833	1798	1777	1762	1430
55°	1397	1393	1350	1310	1296	1249
65°	903	870	820	784	779	891
75°	383	380	374	374	364	417
85°	72	85	93	95	93	89
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2830.2	2830.2	2830.2	2830.2	2830.2
2.5°	2829.4	2830.2	2822.9	2835.5	2838.5
5°	2821.8	2822.9	2815.7	2827.1	2830.2
7.5°	2808.4	2810.3	2802.0	2813.4	2815.7
10°	2788.2	2789.4	2782.1	2793.6	2795.9
12.5°	2761.2	2762.0	2755.9	2766.1	2766.1
15°	2726.5	2729.6	2722.3	2731.8	2732.6
17.5°	2687.6	2688.8	2681.5	2691.8	2694.1
20°	2641.5	2641.5	2635.4	2643.8	2641.5
22.5°	2590.1	2590.1	2582.9	2587.0	2588.9
25°	2533.7	2531.4	2523.0	2525.3	2521.1
27.5°	2468.5	2468.5	2453.7	2453.7	2446.4
30°	2402.6	2397.3	2381.6	2372.1	2364.9
32.5°	2326.8	2319.5	2299.7	2283.0	2277.6
35°	2242.2	2234.6	2208.3	2188.5	2180.1
37.5°	2160.3	2143.5	2108.8	2089.0	2079.5
40°	2064.6	2043.6	2008.2	1980.8	1976.6
42.5°	1962.1	1945.3	1899.2	1879.0	1874.1
45°	1853.1	1832.9	1798.2	1777.3	1761.7
47.5°	1746.0	1731.2	1691.5	1666.4	1661.1
50°	1633.6	1621.0	1580.3	1553.2	1543.7
52.5°	1517.4	1509.0	1474.3	1439.7	1428.2
55°	1397.0	1392.8	1349.7	1309.7	1296.0
57.5°	1278.5	1273.1	1219.4	1173.3	1160.7
60°	1154.6	1139.0	1086.4	1043.4	1029.6
62.5°	1037.3	1003.7	946.9	913.4	897.8
65°	902.7	870.3	820.0	784.2	779.3
67.5°	770.9	732.0	693.2	671.1	654.3
70°	633.3	607.0	577.7	559.0	556.0
72.5°	505.3	486.6	471.8	460.3	450.8
75°	382.6	379.5	374.2	374.2	363.9
77.5°	281.2	288.5	292.7	291.5	293.8
80°	195.1	209.6	218.0	219.1	218.0
82.5°	123.8	140.6	154.3	156.2	158.5
85°	72.4	85.0	93.4	95.3	93.4
87.5°	32.4	40.8	43.1	45.0	43.1
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)