

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: P1050836

Luminaire Tested: 24PTR-80-PLG-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050836
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-80-PLG-L935-UNV-STD-W
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

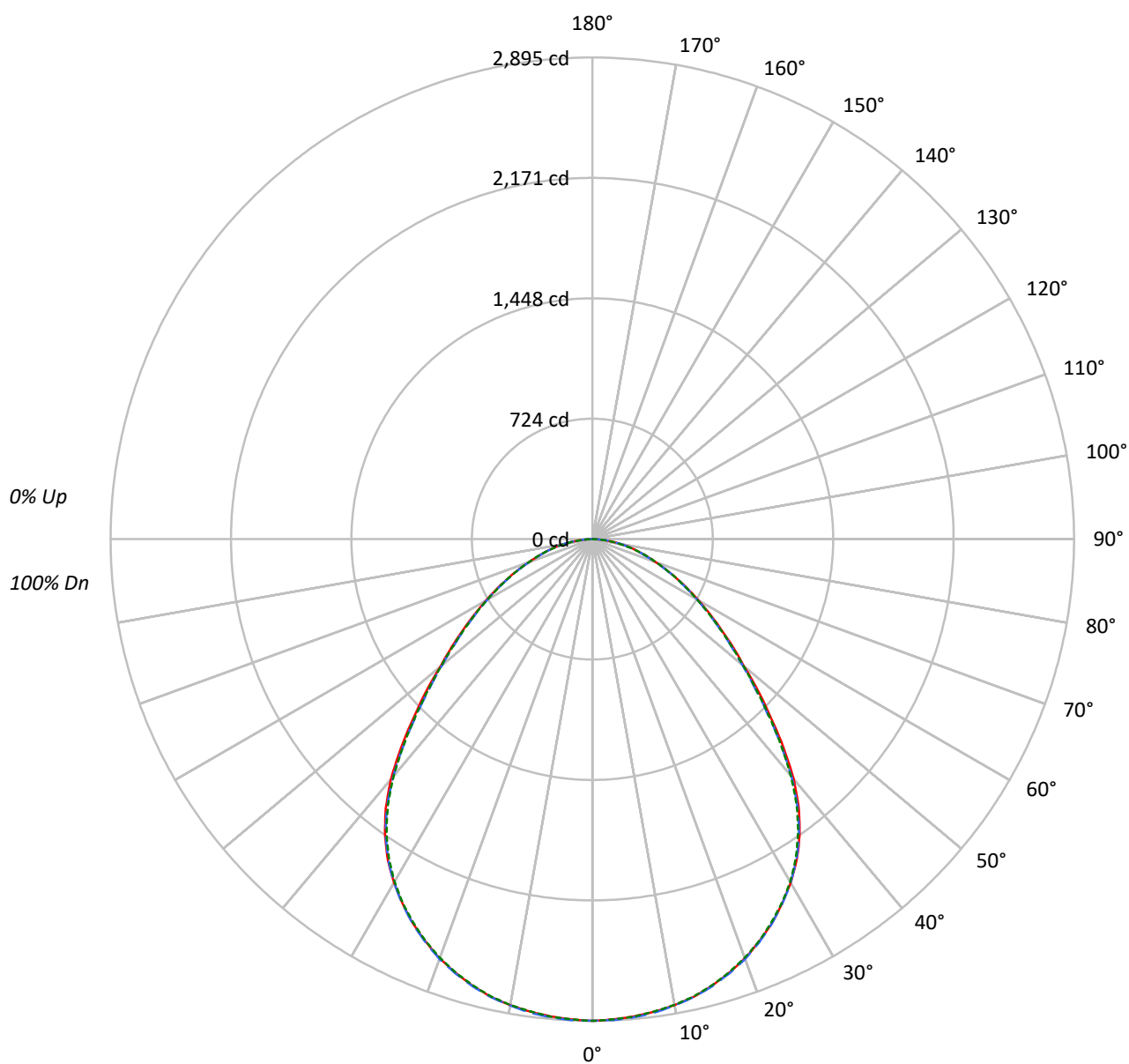
Lumens per Lamp: N/A
Luminaire Lumens: 6524.0 lumens
Efficiency: N/A
Efficacy: 95.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 68
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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86	84	86
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74	72	74
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64	62	64
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56	54	56
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49	47	49
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43	41	43
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39	37	39
8	64	51	43	38	62	51	43	38	49	42	37	48	42	37	47	41	37	35	33	35
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32	30	32
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29	27	29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3896	3896	3896
5°	3888	3897	3891
10°	3886	3888	3883
15°	3870	3876	3867
20°	3840	3845	3834
25°	3786	3789	3777
30°	3703	3703	3694
35°	3568	3558	3541
40°	3306	3270	3259
45°	2890	2843	2854
50°	2495	2465	2478
55°	2217	2184	2188
60°	1985	1957	1957
65°	1779	1766	1773
70°	1601	1585	1601
75°	1485	1463	1485
80°	1385	1369	1322
85°	1173	1173	1047

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2890 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	274.1	4.2
10°-20°	784.4	12.0
20°-30°	1173.6	18.0
30°-40°	1344.7	20.6
40°-50°	1163.0	17.8
50°-60°	841.7	12.9
60°-70°	554.4	8.5
70°-80°	301.8	4.6
80°-90°	86.5	1.3
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°	2232.1	34.2
0°-40°	3576.8	54.8
0°-60°	5581.4	85.6
0°-90°	6524.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6524.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2895	2895	2895	2895	2895	
5°	2879	2885	2885	2885	2881	274
15°	2778	2780	2782	2786	2776	784
25°	2550	2550	2552	2554	2544	1173
35°	2172	2170	2166	2164	2156	1349
45°	1519	1514	1494	1492	1500	1176
55°	945	941	931	925	933	851
65°	559	563	555	551	557	558
75°	286	286	282	282	286	304
85°	76	76	76	78	68	88
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2895.3	2895.3	2895.3	2895.3	2895.3
2.5°	2889.2	2895.3	2893.3	2895.3	2889.2
5°	2878.9	2885.1	2885.1	2885.1	2881.0
7.5°	2864.5	2868.6	2870.7	2872.7	2862.5
10°	2844.0	2848.1	2846.0	2850.1	2841.9
12.5°	2817.3	2817.3	2819.3	2823.4	2815.2
15°	2778.2	2780.3	2782.3	2786.4	2776.2
17.5°	2733.0	2735.1	2737.1	2739.2	2731.0
20°	2681.6	2681.6	2685.7	2687.8	2677.5
22.5°	2617.9	2617.9	2622.0	2628.2	2615.9
25°	2550.1	2550.1	2552.2	2554.2	2544.0
27.5°	2470.0	2470.0	2472.0	2478.2	2465.9
30°	2383.7	2381.6	2383.7	2385.7	2377.5
32.5°	2287.1	2285.0	2283.0	2285.0	2274.8
35°	2172.0	2170.0	2165.9	2163.8	2155.6
37.5°	2038.5	2034.3	2026.1	2026.1	2017.9
40°	1882.3	1872.0	1861.7	1857.6	1855.6
42.5°	1701.5	1693.2	1678.8	1676.8	1676.8
45°	1518.6	1514.5	1493.9	1491.9	1500.1
47.5°	1354.2	1343.9	1325.4	1321.3	1333.6
50°	1191.8	1193.9	1177.5	1171.3	1183.6
52.5°	1064.4	1060.3	1045.9	1041.8	1052.1
55°	945.3	941.1	930.9	924.7	932.9
57.5°	836.3	834.3	824.0	822.0	826.1
60°	737.7	735.7	727.4	725.4	727.4
62.5°	645.2	645.2	637.0	632.9	639.1
65°	558.9	563.0	554.8	550.7	556.9
67.5°	480.8	485.0	476.7	472.6	480.8
70°	406.9	411.0	402.8	398.6	406.9
72.5°	343.2	345.2	339.1	337.0	347.3
75°	285.6	285.6	281.5	281.5	285.6
77.5°	232.2	230.1	228.1	228.1	224.0
80°	178.8	176.7	176.7	176.7	170.6
82.5°	127.4	123.3	125.3	127.4	117.1
85°	76.0	76.0	76.0	78.1	67.8
87.5°	30.8	30.8	28.8	30.8	26.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)