

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: P1050518

Luminaire Tested: 24PTR-100-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050518
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-100-L930-UNV-STD-W
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

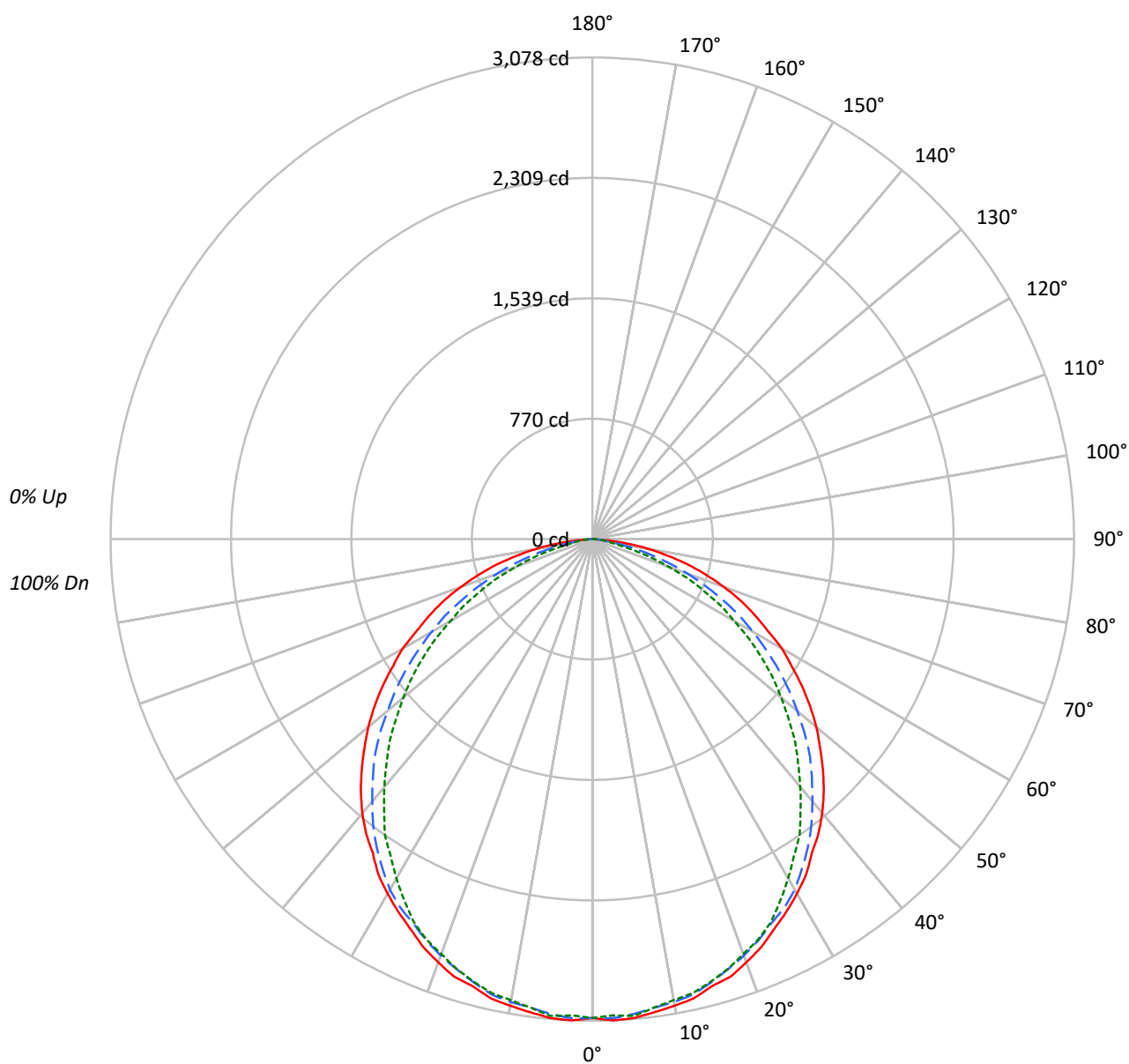
Lumens per Lamp: N/A
Luminaire Lumens: 8151.7 lumens
Efficiency: N/A
Efficacy: 95.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 85
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	96	98	95	93	95	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	74	74	72
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	56	68	61	56	66	60	55	64	58	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	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	33	33	31
9	57	44	36	31	56	44	36	30	42	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	27	37	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4118	4118	4118
5°	4148	4114	4131
10°	4136	4104	4087
15°	4118	4085	4078
20°	4121	4056	4040
25°	4081	4021	4007
30°	4064	4018	3888
35°	4018	3946	3793
40°	4015	3842	3630
45°	3964	3742	3486
50°	3911	3575	3296
55°	3835	3408	3096
60°	3767	3188	2810
65°	3638	2925	2513
70°	3520	2546	2051
75°	3307	2009	1412
80°	2867	1215	848
85°	1913	872	817

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3964 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.1	3.6
10°-20°	830.1	10.2
20°-30°	1253.9	15.4
30°-40°	1490.8	18.3
40°-50°	1512.0	18.5
50°-60°	1312.9	16.1
60°-70°	932.0	11.4
70°-80°	445.4	5.5
80°-90°	84.4	1.0
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°	2374.1	29.1
0°-40°	3864.9	47.4
0°-60°	6689.8	82.1
0°-90°	8151.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8151.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3060	3060	3060	3060	3060	
5°	3071	3060	3046	3053	3058	292
15°	2956	2964	2933	2929	2927	837
25°	2749	2745	2708	2720	2699	1269
35°	2446	2442	2402	2320	2309	1537
45°	2083	2065	1967	1863	1832	1607
55°	1635	1586	1453	1367	1320	1461
65°	1143	1057	919	820	789	1132
75°	636	520	386	306	272	667
85°	124	66	56	55	53	156
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3060.3	3060.3	3060.3	3060.3	3060.3
2.5°	3078.5	3067.6	3064.0	3076.7	3045.7
5°	3071.3	3060.3	3045.7	3053.0	3058.5
7.5°	3049.4	3040.3	3020.2	3036.6	3020.2
10°	3027.5	3018.4	3003.8	3009.3	2991.1
12.5°	3005.6	2983.8	2980.1	2983.8	2971.0
15°	2956.4	2963.7	2932.7	2929.1	2927.3
17.5°	2932.7	2914.5	2881.7	2883.5	2879.9
20°	2878.0	2856.2	2832.5	2828.8	2821.5
22.5°	2821.5	2796.0	2774.2	2785.1	2768.7
25°	2748.6	2745.0	2708.5	2719.5	2699.4
27.5°	2684.8	2672.1	2655.7	2632.0	2602.8
30°	2615.6	2602.8	2586.4	2524.4	2502.6
32.5°	2542.7	2528.1	2495.3	2422.4	2398.7
35°	2446.1	2442.4	2402.3	2320.3	2309.4
37.5°	2373.2	2333.1	2300.2	2216.4	2185.4
40°	2285.7	2263.8	2187.2	2107.0	2066.9
42.5°	2189.1	2163.5	2076.1	1990.4	1946.6
45°	2083.3	2065.1	1966.7	1862.8	1831.8
47.5°	1974.0	1957.6	1840.9	1740.7	1700.6
50°	1868.3	1848.2	1707.9	1611.3	1574.8
52.5°	1753.4	1720.6	1582.1	1487.3	1452.7
55°	1635.0	1585.7	1452.7	1367.0	1319.6
57.5°	1509.2	1463.6	1316.0	1226.7	1188.4
60°	1399.8	1336.0	1184.8	1093.6	1044.4
62.5°	1259.5	1204.8	1060.8	953.3	929.6
65°	1142.8	1057.2	918.6	820.2	789.2
67.5°	1024.4	924.1	783.8	683.5	667.1
70°	894.9	791.1	647.1	548.6	521.3
72.5°	763.7	661.6	521.3	417.4	401.0
75°	636.1	519.5	386.4	306.2	271.6
77.5°	497.6	391.9	271.6	187.7	165.9
80°	370.0	264.3	156.8	111.2	109.4
82.5°	242.4	153.1	83.8	85.7	82.0
85°	123.9	65.6	56.5	54.7	52.9
87.5°	23.7	25.5	27.3	27.3	27.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)