

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: P1050749

Luminaire Tested: 24PTR-100-PL1-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050749
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-100-PL1-L930-UNV-STD-W
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

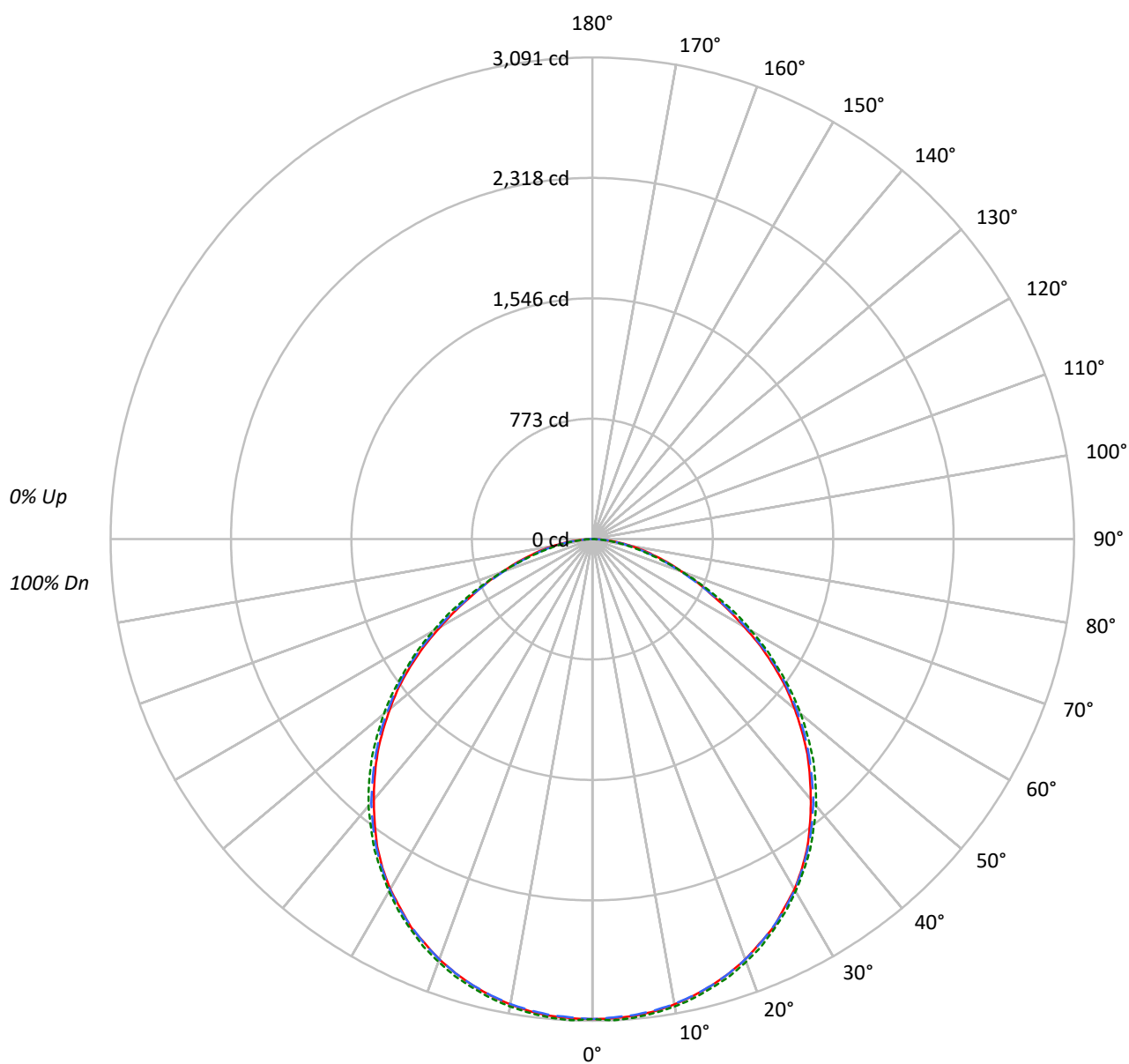
Lumens per Lamp: N/A
Luminaire Lumens: 8119.9 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	94	92	90	91	89	87	87	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	63	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	55	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	48	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	42	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	34	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	30	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4145	4145	4145
5°	4148	4140	4163
10°	4143	4138	4162
15°	4130	4129	4149
20°	4110	4110	4133
25°	4082	4076	4098
30°	4030	4036	4055
35°	3953	3969	4001
40°	3831	3875	3925
45°	3711	3742	3814
50°	3548	3586	3657
55°	3342	3395	3435
60°	3031	3096	3173
65°	2692	2721	2831
70°	2406	2357	2416
75°	2171	2046	2005
80°	1973	1832	1626
85°	1670	1518	1306

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3814 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.2	3.6
10°-20°	838.1	10.3
20°-30°	1267.7	15.6
30°-40°	1511.0	18.6
40°-50°	1519.4	18.7
50°-60°	1289.5	15.9
60°-70°	858.6	10.6
70°-80°	428.7	5.3
80°-90°	114.7	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°	2397.9	29.5
0°-40°	3908.9	48.1
0°-60°	6717.9	82.7
0°-90°	8119.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8119.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3080	3080	3080	3080	3080	
5°	3071	3072	3066	3079	3082	292
15°	2965	2968	2964	2976	2979	837
25°	2750	2750	2746	2759	2761	1264
35°	2407	2409	2416	2433	2436	1501
45°	1950	1954	1966	1993	2004	1500
55°	1424	1434	1447	1461	1464	1269
65°	846	853	855	868	889	848
75°	418	412	394	384	386	448
85°	108	106	98	92	85	125
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3080.4	3080.4	3080.4	3080.4	3080.4
2.5°	3077.9	3080.4	3072.1	3087.1	3090.8
5°	3071.3	3072.1	3065.5	3079.2	3082.5
7.5°	3056.4	3057.6	3050.6	3065.5	3067.6
10°	3032.3	3034.8	3029.0	3042.7	3046.0
12.5°	3001.6	3005.0	2999.1	3014.1	3016.6
15°	2965.1	2968.5	2963.9	2976.3	2978.8
17.5°	2920.4	2922.8	2920.4	2932.0	2938.6
20°	2870.2	2870.2	2870.2	2880.5	2886.3
22.5°	2807.6	2813.4	2810.9	2824.6	2830.4
25°	2749.5	2749.5	2745.8	2758.6	2760.7
27.5°	2668.2	2677.3	2676.5	2687.7	2690.2
30°	2594.0	2596.5	2597.7	2605.6	2610.2
32.5°	2504.0	2506.1	2509.8	2521.0	2522.2
35°	2406.9	2409.4	2416.1	2433.1	2435.6
37.5°	2294.1	2306.6	2312.4	2330.6	2332.7
40°	2180.9	2188.8	2206.2	2225.3	2234.4
42.5°	2065.6	2074.8	2085.1	2111.3	2119.6
45°	1950.4	1953.7	1966.5	1992.7	2004.3
47.5°	1822.6	1833.0	1844.2	1867.0	1874.1
50°	1694.9	1706.1	1713.1	1733.5	1747.2
52.5°	1565.9	1576.3	1584.2	1596.6	1610.3
55°	1424.5	1434.5	1447.3	1461.0	1464.3
57.5°	1280.6	1291.8	1300.1	1314.6	1329.5
60°	1126.3	1139.2	1150.4	1164.1	1179.0
62.5°	982.9	988.2	999.9	1022.7	1044.2
65°	845.6	852.6	854.7	867.6	889.1
67.5°	731.5	731.5	721.2	725.7	749.8
70°	611.7	607.1	599.2	594.7	614.2
72.5°	514.6	508.8	491.8	484.0	494.3
75°	417.6	411.8	393.6	384.4	385.7
77.5°	335.5	326.4	311.4	295.7	292.4
80°	254.6	250.9	236.4	221.5	209.8
82.5°	180.4	172.5	164.2	155.1	146.0
85°	108.2	106.2	98.3	92.5	84.6
87.5°	44.4	44.4	42.3	39.8	37.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)