

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: P1050813

Luminaire Tested: 24PTR-72-PLG-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050813
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-72-PLG-L850-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

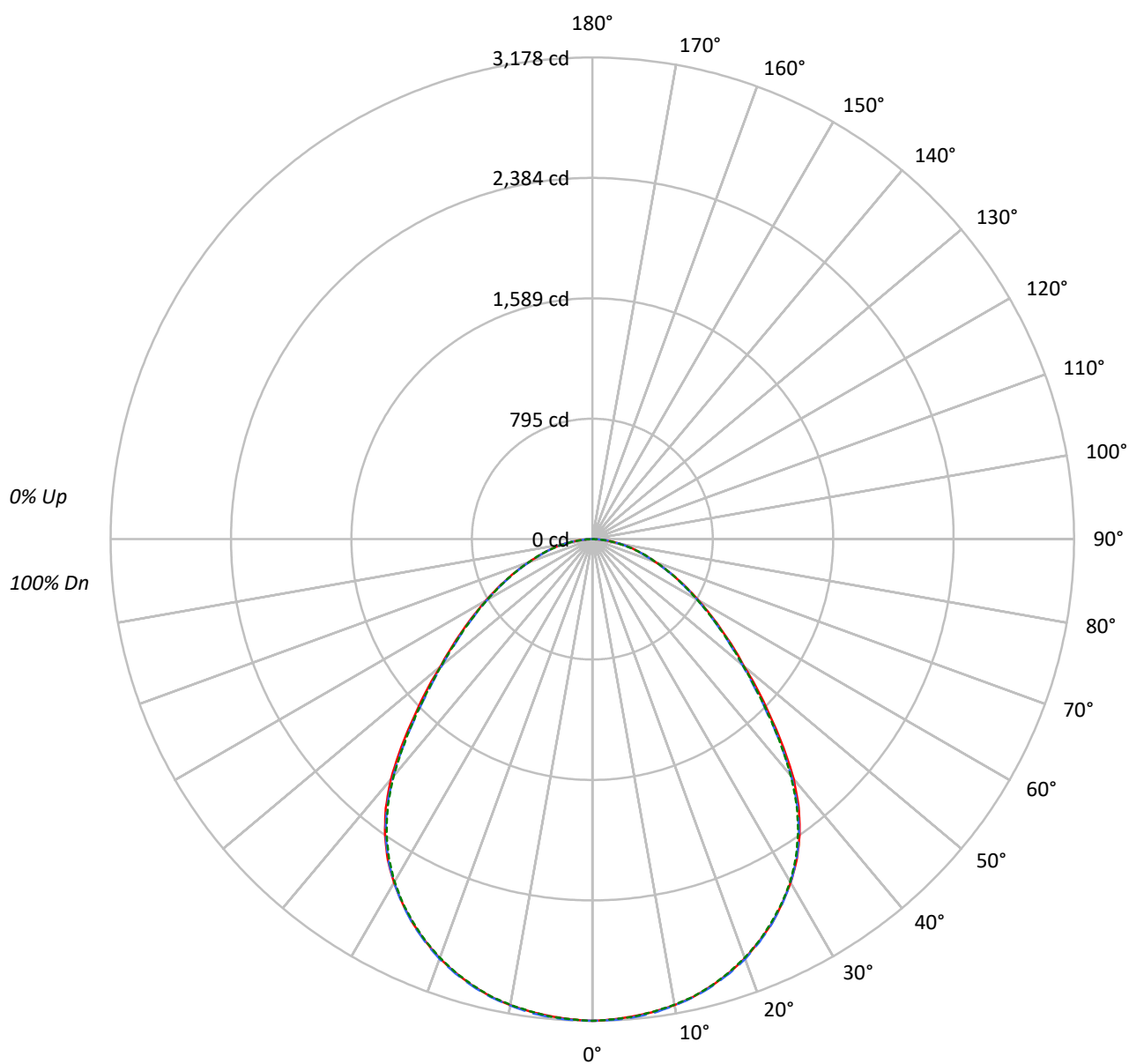
Lumens per Lamp: N/A
Luminaire Lumens: 7161.3 lumens
Efficiency: N/A
Efficacy: 119.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 60
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°	4276	4276	4276
5°	4268	4277	4271
10°	4265	4268	4262
15°	4248	4254	4245
20°	4215	4221	4208
25°	4156	4159	4146
30°	4065	4065	4055
35°	3916	3905	3886
40°	3629	3589	3577
45°	3172	3120	3133
50°	2739	2705	2719
55°	2434	2397	2402
60°	2179	2149	2149
65°	1953	1939	1946
70°	1757	1739	1757
75°	1630	1606	1630
80°	1520	1503	1450
85°	1289	1289	1149

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3172 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	300.9	4.2
10°-20°	861.0	12.0
20°-30°	1288.3	18.0
30°-40°	1476.0	20.6
40°-50°	1276.6	17.8
50°-60°	923.9	12.9
60°-70°	608.5	8.5
70°-80°	331.2	4.6
80°-90°	94.9	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°	2450.2	34.2
0°-40°	3926.2	54.8
0°-60°	6126.6	85.6
0°-90°	7161.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7161.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3178	3178	3178	3178	3178	
5°	3160	3167	3167	3167	3162	300
15°	3050	3052	3054	3059	3047	860
25°	2799	2799	2802	2804	2792	1287
35°	2384	2382	2377	2375	2366	1481
45°	1667	1662	1640	1638	1647	1291
55°	1038	1033	1022	1015	1024	934
65°	614	618	609	604	611	613
75°	314	314	309	309	314	334
85°	84	84	84	86	74	97
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3178.2	3178.2	3178.2	3178.2	3178.2
2.5°	3171.4	3178.2	3175.9	3178.2	3171.4
5°	3160.1	3166.9	3166.9	3166.9	3162.4
7.5°	3144.3	3148.8	3151.1	3153.3	3142.1
10°	3121.8	3126.3	3124.0	3128.5	3119.5
12.5°	3092.4	3092.4	3094.7	3099.2	3090.2
15°	3049.6	3051.8	3054.1	3058.6	3047.3
17.5°	3000.0	3002.2	3004.5	3006.7	2997.7
20°	2943.6	2943.6	2948.1	2950.3	2939.1
22.5°	2873.7	2873.7	2878.2	2884.9	2871.4
25°	2799.2	2799.2	2801.5	2803.7	2792.5
27.5°	2711.2	2711.2	2713.5	2720.3	2706.7
30°	2616.5	2614.3	2616.5	2618.8	2609.7
32.5°	2510.5	2508.2	2506.0	2508.2	2497.0
35°	2384.2	2381.9	2377.4	2375.2	2366.1
37.5°	2237.6	2233.1	2224.0	2224.0	2215.0
40°	2066.1	2054.9	2043.6	2039.1	2036.8
42.5°	1867.6	1858.6	1842.8	1840.6	1840.6
45°	1666.9	1662.4	1639.8	1637.6	1646.6
47.5°	1486.4	1475.2	1454.9	1450.4	1463.9
50°	1308.3	1310.5	1292.5	1285.7	1299.2
52.5°	1168.4	1163.9	1148.1	1143.6	1154.9
55°	1037.6	1033.1	1021.8	1015.0	1024.0
57.5°	918.0	915.8	904.5	902.2	906.8
60°	809.8	807.5	798.5	796.2	798.5
62.5°	708.3	708.3	699.2	694.7	701.5
65°	613.5	618.0	609.0	604.5	611.3
67.5°	527.8	532.3	523.3	518.8	527.8
70°	446.6	451.1	442.1	437.6	446.6
72.5°	376.7	378.9	372.2	369.9	381.2
75°	313.5	313.5	309.0	309.0	313.5
77.5°	254.9	252.6	250.4	250.4	245.9
80°	196.2	194.0	194.0	194.0	187.2
82.5°	139.8	135.3	137.6	139.8	128.6
85°	83.5	83.5	83.5	85.7	74.4
87.5°	33.8	33.8	31.6	33.8	29.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)