

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: P1050846

Luminaire Tested: 24PTR-72-PLG-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050846
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-L940-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

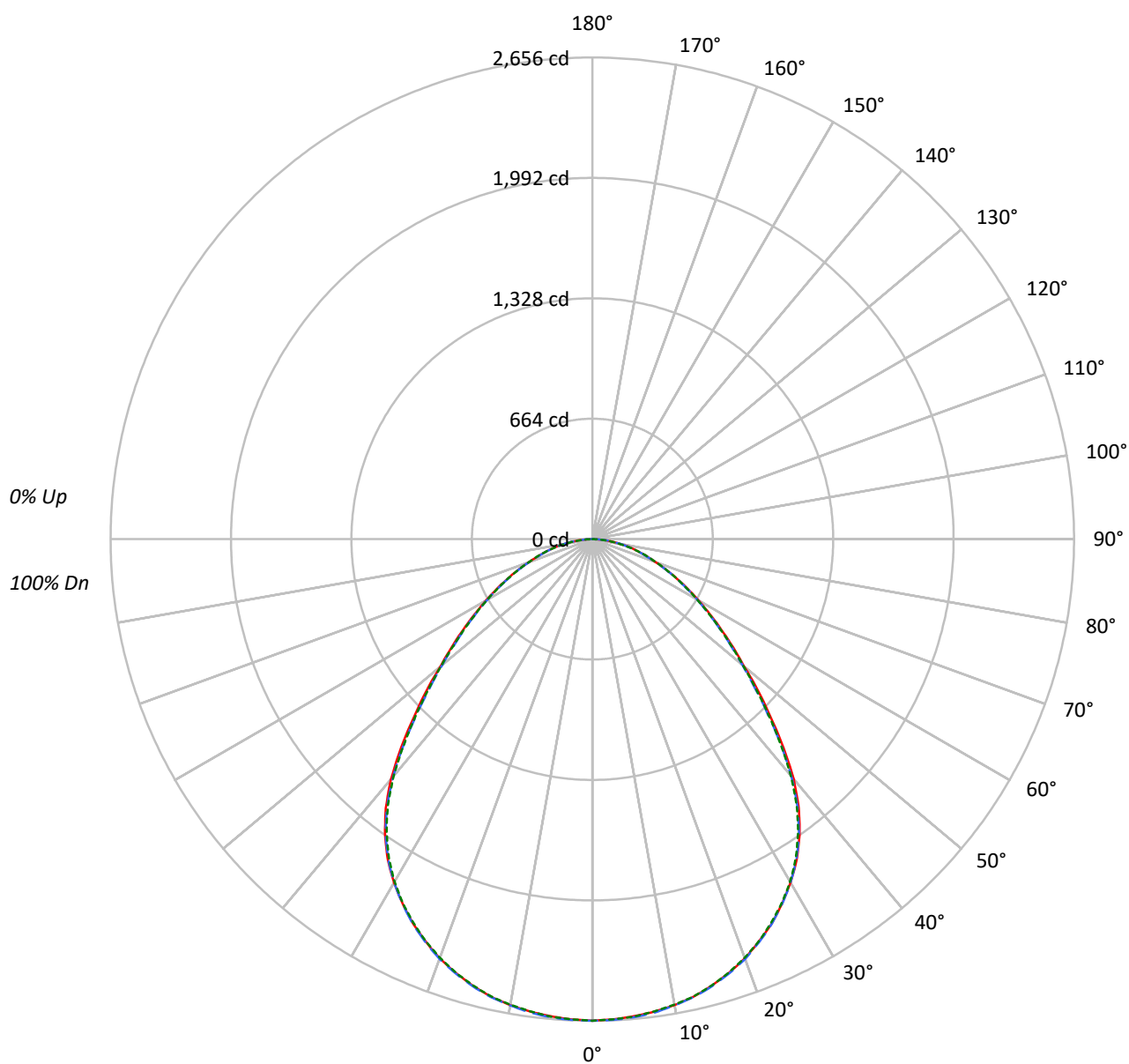
Lumens per Lamp: N/A
Luminaire Lumens: 5984.5 lumens
Efficiency: N/A
Efficacy: 99.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	3573	3573	3573
5°	3567	3574	3569
10°	3564	3567	3562
15°	3550	3555	3547
20°	3522	3527	3517
25°	3473	3476	3464
30°	3397	3397	3388
35°	3273	3263	3248
40°	3033	3000	2990
45°	2651	2608	2618
50°	2289	2261	2273
55°	2034	2003	2008
60°	1821	1796	1796
65°	1632	1620	1626
70°	1468	1454	1468
75°	1362	1342	1362
80°	1271	1256	1213
85°	1076	1076	960

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2651 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.4	4.2
10°-20°	719.5	12.0
20°-30°	1076.6	18.0
30°-40°	1233.5	20.6
40°-50°	1066.8	17.8
50°-60°	772.1	12.9
60°-70°	508.5	8.5
70°-80°	276.8	4.6
80°-90°	79.3	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°	2047.5	34.2
0°-40°	3281.0	54.8
0°-60°	5119.8	85.6
0°-90°	5984.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5984.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2656	2656	2656	2656	2656	
5°	2641	2646	2646	2646	2643	251
15°	2548	2550	2552	2556	2547	719
25°	2339	2339	2341	2343	2334	1076
35°	1992	1990	1987	1985	1977	1238
45°	1393	1389	1370	1368	1376	1079
55°	867	863	854	848	856	780
65°	513	516	509	505	511	512
75°	262	262	258	258	262	279
85°	70	70	70	72	62	81
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2655.9	2655.9	2655.9	2655.9	2655.9
2.5°	2650.3	2655.9	2654.0	2655.9	2650.3
5°	2640.8	2646.5	2646.5	2646.5	2642.7
7.5°	2627.6	2631.4	2633.3	2635.2	2625.7
10°	2608.8	2612.6	2610.7	2614.4	2606.9
12.5°	2584.3	2584.3	2586.2	2589.9	2582.4
15°	2548.5	2550.3	2552.2	2556.0	2546.6
17.5°	2507.0	2508.9	2510.8	2512.6	2505.1
20°	2459.9	2459.9	2463.6	2465.5	2456.1
22.5°	2401.4	2401.4	2405.2	2410.9	2399.6
25°	2339.2	2339.2	2341.1	2343.0	2333.6
27.5°	2265.7	2265.7	2267.6	2273.3	2261.9
30°	2186.6	2184.7	2186.6	2188.4	2180.9
32.5°	2098.0	2096.1	2094.2	2096.1	2086.6
35°	1992.4	1990.5	1986.7	1984.9	1977.3
37.5°	1869.9	1866.1	1858.6	1858.6	1851.0
40°	1726.6	1717.2	1707.8	1704.0	1702.1
42.5°	1560.7	1553.2	1540.0	1538.1	1538.1
45°	1393.0	1389.2	1370.4	1368.5	1376.0
47.5°	1242.2	1232.8	1215.8	1212.0	1223.3
50°	1093.3	1095.2	1080.1	1074.4	1085.7
52.5°	976.4	972.6	959.4	955.7	965.1
55°	867.1	863.3	853.9	848.2	855.8
57.5°	767.2	765.3	755.9	754.0	757.8
60°	676.7	674.8	667.3	665.4	667.3
62.5°	591.9	591.9	584.3	580.6	586.2
65°	512.7	516.5	508.9	505.2	510.8
67.5°	441.1	444.9	437.3	433.5	441.1
70°	373.2	377.0	369.5	365.7	373.2
72.5°	314.8	316.7	311.0	309.1	318.6
75°	262.0	262.0	258.2	258.2	262.0
77.5°	213.0	211.1	209.2	209.2	205.5
80°	164.0	162.1	162.1	162.1	156.5
82.5°	116.9	113.1	115.0	116.9	107.4
85°	69.7	69.7	69.7	71.6	62.2
87.5°	28.3	28.3	26.4	28.3	24.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)