

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: P1050879

Luminaire Tested: 24PTR-72-PP3-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050879
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-72-PP3-L840-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

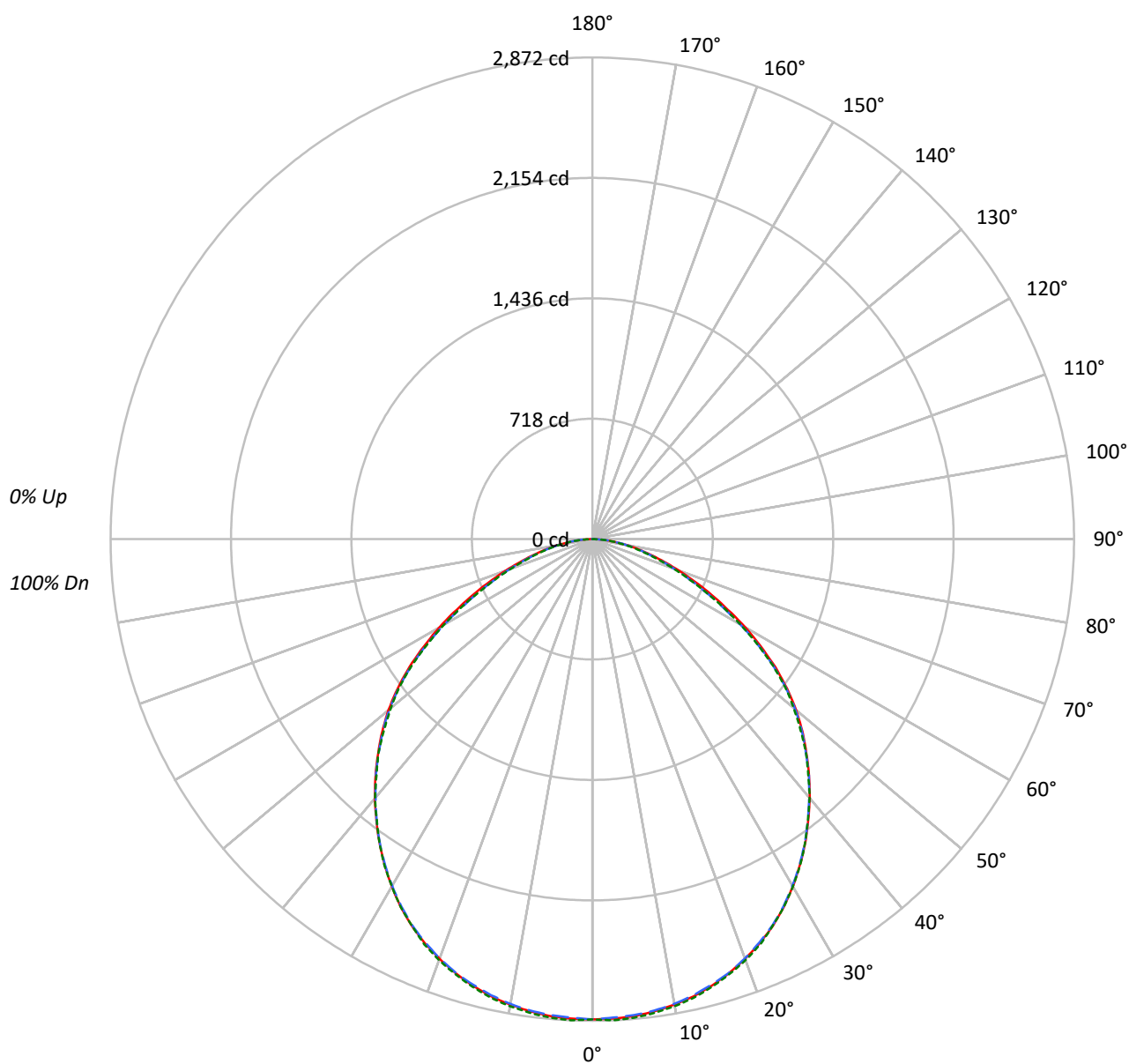
Lumens per Lamp: N/A
Luminaire Lumens: 7398.2 lumens
Efficiency: N/A
Efficacy: 123.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	100		
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72		
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61		
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46		
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36		
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3853	3853	3853
5°	3856	3847	3868
10°	3851	3845	3863
15°	3838	3831	3848
20°	3813	3810	3826
25°	3779	3773	3777
30°	3715	3708	3715
35°	3634	3629	3632
40°	3541	3530	3539
45°	3435	3425	3429
50°	3320	3304	3281
55°	3126	3089	3079
60°	2836	2741	2746
65°	2491	2366	2363
70°	2154	2056	2032
75°	1863	1795	1755
80°	1650	1627	1554
85°	1365	1411	1329

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3447 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.5	3.7
10°-20°	777.9	10.5
20°-30°	1171.2	15.8
30°-40°	1382.3	18.7
40°-50°	1390.2	18.8
50°-60°	1173.7	15.9
60°-70°	753.7	10.2
70°-80°	374.9	5.1
80°-90°	102.7	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°	2220.7	30.0
0°-40°	3603.0	48.7
0°-60°	6166.8	83.4
0°-90°	7398.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7398.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2863	2863	2863	2863	2863	
5°	2855	2856	2849	2862	2864	271
15°	2755	2756	2750	2762	2762	777
25°	2545	2546	2541	2546	2544	1171
35°	2213	2214	2210	2212	2212	1383
45°	1805	1812	1800	1802	1802	1393
55°	1332	1331	1317	1312	1313	1185
65°	782	771	743	736	742	780
75°	358	356	345	342	338	388
85°	88	91	91	86	86	104
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2863.3	2863.3	2863.3	2863.3	2863.3
2.5°	2862.2	2863.3	2855.8	2869.4	2871.7
5°	2855.0	2855.8	2848.6	2862.2	2864.1
7.5°	2840.3	2841.4	2835.0	2847.5	2849.8
10°	2818.4	2821.8	2814.3	2826.0	2827.8
12.5°	2791.6	2792.7	2785.2	2798.8	2801.0
15°	2755.3	2756.1	2750.1	2762.5	2762.5
17.5°	2713.4	2714.6	2710.4	2721.0	2719.8
20°	2662.8	2665.8	2660.6	2667.7	2671.9
22.5°	2607.7	2608.8	2602.4	2611.8	2616.0
25°	2545.4	2546.1	2541.2	2546.1	2544.2
27.5°	2472.5	2474.4	2467.2	2472.5	2473.6
30°	2391.3	2396.6	2386.4	2390.5	2391.3
32.5°	2304.0	2307.1	2299.9	2301.0	2306.3
35°	2212.7	2213.8	2209.6	2211.5	2211.5
37.5°	2114.1	2118.2	2111.8	2114.8	2110.7
40°	2016.3	2012.1	2009.9	2012.1	2015.1
42.5°	1913.2	1914.3	1911.3	1909.0	1904.1
45°	1805.2	1811.6	1799.9	1802.1	1802.1
47.5°	1699.4	1700.2	1694.1	1687.7	1683.6
50°	1586.1	1586.1	1578.6	1573.7	1567.3
52.5°	1462.3	1460.4	1452.1	1446.8	1449.8
55°	1332.4	1331.2	1316.9	1311.6	1312.7
57.5°	1190.0	1192.2	1170.3	1165.1	1165.1
60°	1054.0	1043.4	1018.5	1011.3	1020.4
62.5°	911.3	898.8	872.0	872.0	879.2
65°	782.5	771.2	743.2	735.7	742.1
67.5°	662.0	651.4	625.8	621.6	623.5
70°	547.6	538.5	522.7	513.2	516.6
72.5°	449.0	440.7	430.1	423.0	418.8
75°	358.4	356.5	345.2	341.8	337.6
77.5°	283.6	282.9	273.4	269.3	265.1
80°	213.0	211.9	210.0	203.6	200.5
82.5°	151.8	151.8	150.7	145.4	142.4
85°	88.4	91.4	91.4	86.1	86.1
87.5°	35.5	37.4	35.5	35.5	34.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)