

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: P1050868

Luminaire Tested: 24PTR-72-PP3-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050868
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-L835-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

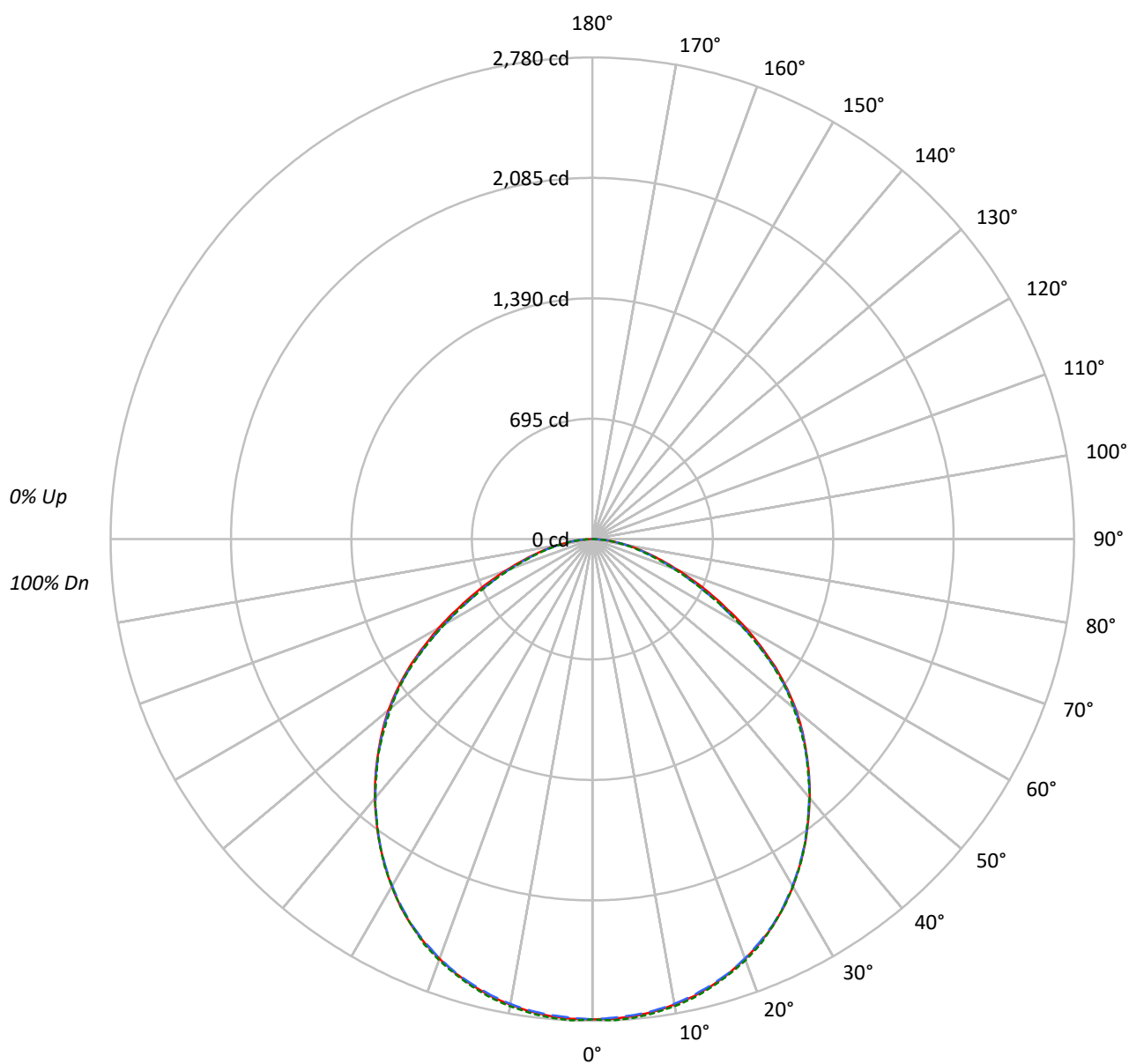
Lumens per Lamp: N/A
Luminaire Lumens: 7161.5 lumens
Efficiency: N/A
Efficacy: 119.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1050868

CATALOG NUMBER: 24PTR-72-PP3-L835-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050868

CATALOG NUMBER: 24PTR-72-PP3-L835-UNV-STD-W

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°	3729	3729	3729
5°	3733	3724	3745
10°	3727	3722	3740
15°	3715	3708	3725
20°	3691	3688	3703
25°	3658	3652	3656
30°	3596	3589	3596
35°	3518	3513	3516
40°	3428	3417	3426
45°	3325	3315	3319
50°	3214	3199	3176
55°	3025	2990	2981
60°	2746	2653	2658
65°	2412	2290	2287
70°	2085	1990	1967
75°	1803	1737	1699
80°	1598	1575	1504
85°	1320	1366	1286

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3337 cd/sqm

TEST NUMBER: P1050868

CATALOG NUMBER: 24PTR-72-PP3-L835-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.8	3.7
10°-20°	753.0	10.5
20°-30°	1133.7	15.8
30°-40°	1338.1	18.7
40°-50°	1345.7	18.8
50°-60°	1136.1	15.9
60°-70°	729.6	10.2
70°-80°	362.9	5.1
80°-90°	99.4	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°	2149.6	30.0
0°-40°	3487.7	48.7
0°-60°	5969.6	83.4
0°-90°	7161.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7161.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2772	2772	2772	2772	2772	
5°	2764	2764	2758	2771	2772	263
15°	2667	2668	2662	2674	2674	752
25°	2464	2465	2460	2465	2463	1134
35°	2142	2143	2139	2141	2141	1339
45°	1747	1754	1742	1744	1744	1349
55°	1290	1289	1275	1270	1271	1147
65°	758	746	719	712	718	755
75°	347	345	334	331	327	375
85°	86	88	88	83	83	101
90°	0	0	0	0	0	

TEST NUMBER: P1050868

CATALOG NUMBER: 24PTR-72-PP3-L835-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2771.7	2771.7	2771.7	2771.7	2771.7
2.5°	2770.6	2771.7	2764.4	2777.6	2779.8
5°	2763.7	2764.4	2757.5	2770.6	2772.5
7.5°	2749.4	2750.5	2744.3	2756.4	2758.6
10°	2728.2	2731.5	2724.2	2735.6	2737.4
12.5°	2702.3	2703.4	2696.1	2709.2	2711.4
15°	2667.2	2667.9	2662.1	2674.1	2674.1
17.5°	2626.6	2627.7	2623.7	2633.9	2632.8
20°	2577.6	2580.6	2575.4	2582.4	2586.4
22.5°	2524.3	2525.4	2519.1	2528.3	2532.3
25°	2463.9	2464.7	2459.9	2464.7	2462.8
27.5°	2393.4	2395.2	2388.3	2393.4	2394.5
30°	2314.8	2319.9	2310.0	2314.1	2314.8
32.5°	2230.3	2233.3	2226.3	2227.4	2232.5
35°	2141.9	2143.0	2138.9	2140.8	2140.8
37.5°	2046.5	2050.5	2044.3	2047.2	2043.2
40°	1951.8	1947.8	1945.6	1947.8	1950.7
42.5°	1852.0	1853.1	1850.1	1848.0	1843.2
45°	1747.4	1753.6	1742.3	1744.5	1744.5
47.5°	1645.1	1645.8	1639.9	1633.7	1629.7
50°	1535.4	1535.4	1528.1	1523.3	1517.1
52.5°	1415.5	1413.7	1405.6	1400.5	1403.4
55°	1289.7	1288.6	1274.7	1269.6	1270.7
57.5°	1151.9	1154.1	1132.9	1127.8	1127.8
60°	1020.3	1010.1	985.9	979.0	987.8
62.5°	882.1	870.1	844.1	844.1	851.0
65°	757.5	746.5	719.4	712.1	718.3
67.5°	640.8	630.6	605.7	601.7	603.6
70°	530.1	521.3	505.9	496.8	500.1
72.5°	434.7	426.6	416.4	409.4	405.4
75°	346.9	345.1	334.1	330.8	326.8
77.5°	274.5	273.8	264.7	260.7	256.6
80°	206.2	205.1	203.3	197.0	194.1
82.5°	147.0	147.0	145.9	140.7	137.8
85°	85.5	88.5	88.5	83.3	83.3
87.5°	34.4	36.2	34.4	34.4	33.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)