

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: P1050857

Luminaire Tested: 24PTR-72-PP3-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050857
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-L830-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

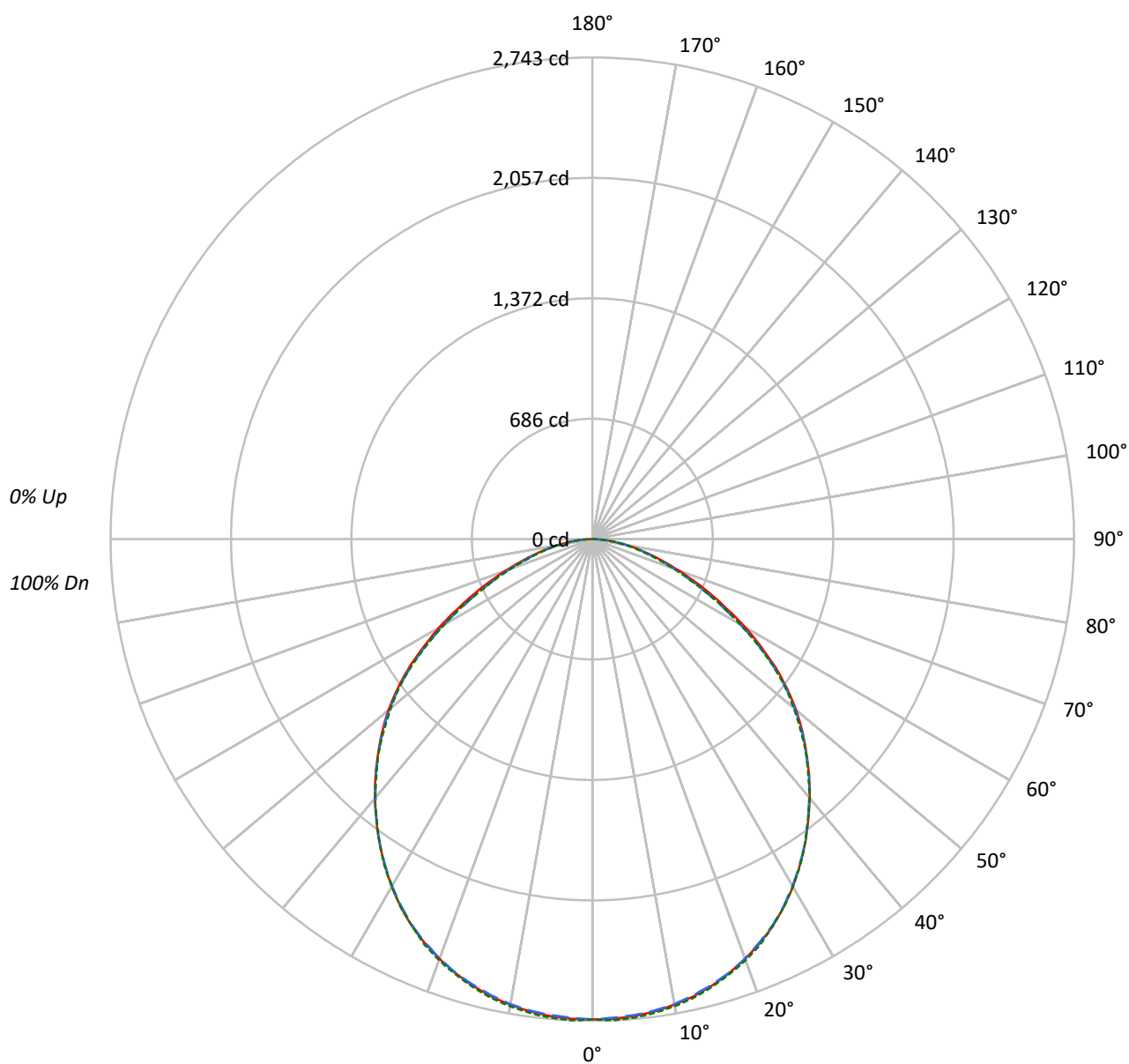
Lumens per Lamp: N/A
Luminaire Lumens: 7066.4 lumens
Efficiency: N/A
Efficacy: 117.8 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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: P1050857

CATALOG NUMBER: 24PTR-72-PP3-L830-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050857

CATALOG NUMBER: 24PTR-72-PP3-L830-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°	3680	3680	3680
5°	3683	3675	3695
10°	3678	3673	3690
15°	3666	3659	3675
20°	3642	3639	3654
25°	3609	3604	3608
30°	3549	3541	3549
35°	3471	3467	3470
40°	3383	3372	3381
45°	3281	3271	3275
50°	3171	3156	3134
55°	2985	2951	2941
60°	2709	2618	2623
65°	2379	2260	2257
70°	2057	1964	1941
75°	1779	1714	1677
80°	1576	1554	1484
85°	1303	1348	1269

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3293 cd/sqm

TEST NUMBER: P1050857

CATALOG NUMBER: 24PTR-72-PP3-L830-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.4	3.7
10°-20°	743.0	10.5
20°-30°	1118.7	15.8
30°-40°	1320.3	18.7
40°-50°	1327.9	18.8
50°-60°	1121.0	15.9
60°-70°	719.9	10.2
70°-80°	358.1	5.1
80°-90°	98.1	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°	2121.1	30.0
0°-40°	3441.4	48.7
0°-60°	5890.3	83.4
0°-90°	7066.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7066.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2735	2735	2735	2735	2735	
5°	2727	2728	2721	2734	2736	259
15°	2632	2632	2627	2639	2639	742
25°	2431	2432	2427	2432	2430	1119
35°	2113	2114	2111	2112	2112	1321
45°	1724	1730	1719	1721	1721	1331
55°	1273	1272	1258	1253	1254	1132
65°	747	737	710	703	709	745
75°	342	340	330	326	322	370
85°	84	87	87	82	82	99
90°	0	0	0	0	0	

TEST NUMBER: P1050857

CATALOG NUMBER: 24PTR-72-PP3-L830-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2735.0	2735.0	2735.0	2735.0	2735.0
2.5°	2733.9	2735.0	2727.7	2740.7	2742.9
5°	2727.0	2727.7	2720.9	2733.9	2735.7
7.5°	2713.0	2714.0	2707.9	2719.8	2722.0
10°	2692.0	2695.3	2688.1	2699.2	2701.0
12.5°	2666.4	2667.5	2660.3	2673.3	2675.4
15°	2631.8	2632.5	2626.7	2638.6	2638.6
17.5°	2591.7	2592.8	2588.9	2599.0	2597.9
20°	2543.4	2546.3	2541.2	2548.1	2552.1
22.5°	2490.7	2491.8	2485.7	2494.7	2498.7
25°	2431.2	2432.0	2427.3	2432.0	2430.1
27.5°	2361.6	2363.4	2356.6	2361.6	2362.7
30°	2284.1	2289.1	2279.4	2283.3	2284.1
32.5°	2200.7	2203.6	2196.8	2197.8	2202.9
35°	2113.4	2114.5	2110.6	2112.4	2112.4
37.5°	2019.3	2023.3	2017.1	2020.0	2016.0
40°	1925.9	1921.9	1919.7	1921.9	1924.8
42.5°	1827.4	1828.5	1825.6	1823.4	1818.7
45°	1724.2	1730.4	1719.2	1721.3	1721.3
47.5°	1623.2	1623.9	1618.2	1612.0	1608.1
50°	1515.0	1515.0	1507.8	1503.1	1497.0
52.5°	1396.7	1394.9	1387.0	1381.9	1384.8
55°	1272.6	1271.5	1257.8	1252.8	1253.9
57.5°	1136.6	1138.8	1117.9	1112.8	1112.8
60°	1006.8	996.7	972.9	966.0	974.7
62.5°	870.4	858.5	832.9	832.9	839.7
65°	747.4	736.6	709.9	702.7	708.8
67.5°	632.3	622.2	597.7	593.7	595.5
70°	523.0	514.4	499.2	490.2	493.5
72.5°	428.9	421.0	410.9	404.0	400.0
75°	342.3	340.5	329.7	326.4	322.5
77.5°	270.9	270.2	261.2	257.2	253.2
80°	203.4	202.4	200.6	194.4	191.5
82.5°	145.0	145.0	143.9	138.9	136.0
85°	84.4	87.3	87.3	82.2	82.2
87.5°	33.9	35.7	33.9	33.9	32.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)