

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: P1050859

Luminaire Tested: 24PTR-100-PP3-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050859
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-100-PP3-L830-UNV-STD-W
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

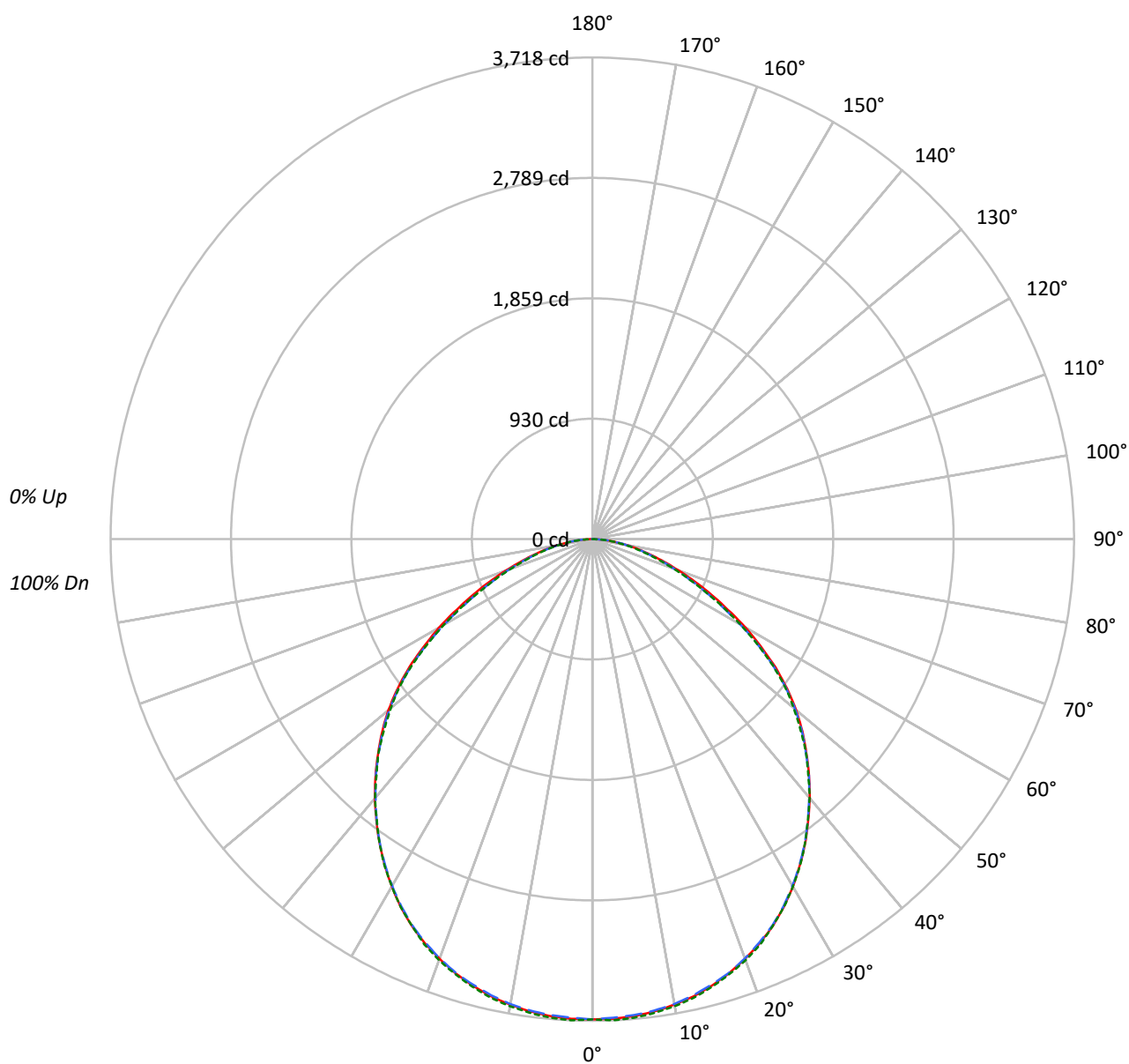
Lumens per Lamp: N/A
Luminaire Lumens: 9577.8 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 85
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: P1050859

CATALOG NUMBER: 24PTR-100-PP3-L830-UNV-STD-W

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°	4988	4988	4988
5°	4992	4981	5008
10°	4985	4978	5002
15°	4969	4959	4982
20°	4936	4932	4953
25°	4892	4884	4890
30°	4810	4800	4810
35°	4705	4699	4703
40°	4585	4570	4582
45°	4447	4434	4439
50°	4298	4278	4247
55°	4046	3999	3987
60°	3672	3548	3555
65°	3225	3063	3059
70°	2789	2662	2631
75°	2412	2323	2272
80°	2136	2106	2011
85°	1766	1826	1721

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 4463 cd/sqm

TEST NUMBER: P1050859

CATALOG NUMBER: 24PTR-100-PP3-L830-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	351.5	3.7
10°-20°	1007.1	10.5
20°-30°	1516.2	15.8
30°-40°	1789.6	18.7
40°-50°	1799.8	18.8
50°-60°	1519.4	15.9
60°-70°	975.8	10.2
70°-80°	485.3	5.1
80°-90°	133.0	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°	2874.9	30.0
0°-40°	4664.4	48.7
0°-60°	7983.7	83.4
0°-90°	9577.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9577.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3707	3707	3707	3707	3707	
5°	3696	3697	3688	3706	3708	351
15°	3567	3568	3560	3576	3576	1006
25°	3295	3296	3290	3296	3294	1516
35°	2864	2866	2861	2863	2863	1790
45°	2337	2345	2330	2333	2333	1804
55°	1725	1723	1705	1698	1700	1534
65°	1013	998	962	952	961	1010
75°	464	462	447	442	437	502
85°	114	118	118	112	112	135
90°	0	0	0	0	0	

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CATALOG NUMBER: 24PTR-100-PP3-L830-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3706.9	3706.9	3706.9	3706.9	3706.9
2.5°	3705.5	3706.9	3697.1	3714.7	3717.7
5°	3696.2	3697.1	3687.9	3705.5	3707.9
7.5°	3677.1	3678.6	3670.3	3686.4	3689.3
10°	3648.7	3653.1	3643.4	3658.5	3661.0
12.5°	3614.0	3615.5	3605.7	3623.3	3626.3
15°	3567.1	3568.1	3560.2	3576.4	3576.4
17.5°	3512.8	3514.3	3508.9	3522.6	3521.1
20°	3447.3	3451.2	3444.4	3453.7	3459.0
22.5°	3375.9	3377.4	3369.1	3381.3	3386.7
25°	3295.3	3296.2	3289.9	3296.2	3293.8
27.5°	3200.9	3203.3	3194.1	3200.9	3202.4
30°	3095.8	3102.6	3089.4	3094.8	3095.8
32.5°	2982.8	2986.8	2977.5	2978.9	2985.8
35°	2864.5	2866.0	2860.6	2863.1	2863.1
37.5°	2736.9	2742.3	2734.0	2737.9	2732.5
40°	2610.3	2604.9	2602.0	2604.9	2608.8
42.5°	2476.8	2478.3	2474.4	2471.4	2465.1
45°	2337.0	2345.3	2330.1	2333.1	2333.1
47.5°	2200.1	2201.1	2193.3	2184.9	2179.6
50°	2053.4	2053.4	2043.6	2037.3	2029.0
52.5°	1893.1	1890.6	1879.9	1873.0	1876.9
55°	1724.9	1723.4	1704.8	1698.0	1699.5
57.5°	1540.6	1543.5	1515.1	1508.3	1508.3
60°	1364.6	1350.9	1318.6	1309.3	1321.0
62.5°	1179.7	1163.6	1128.9	1128.9	1138.2
65°	1013.0	998.4	962.2	952.4	960.7
67.5°	857.1	843.4	810.1	804.7	807.2
70°	708.9	697.2	676.7	664.4	668.8
72.5°	581.3	570.6	556.9	547.6	542.2
75°	464.0	461.5	446.9	442.5	437.1
77.5°	367.2	366.2	354.0	348.6	343.2
80°	275.7	274.3	271.8	263.5	259.6
82.5°	196.5	196.5	195.1	188.2	184.3
85°	114.4	118.3	118.3	111.5	111.5
87.5°	46.0	48.4	46.0	46.0	44.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)