

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: P1050549

Luminaire Tested: 24PTR-72-PB1-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050549
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-72-PB1-L830-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

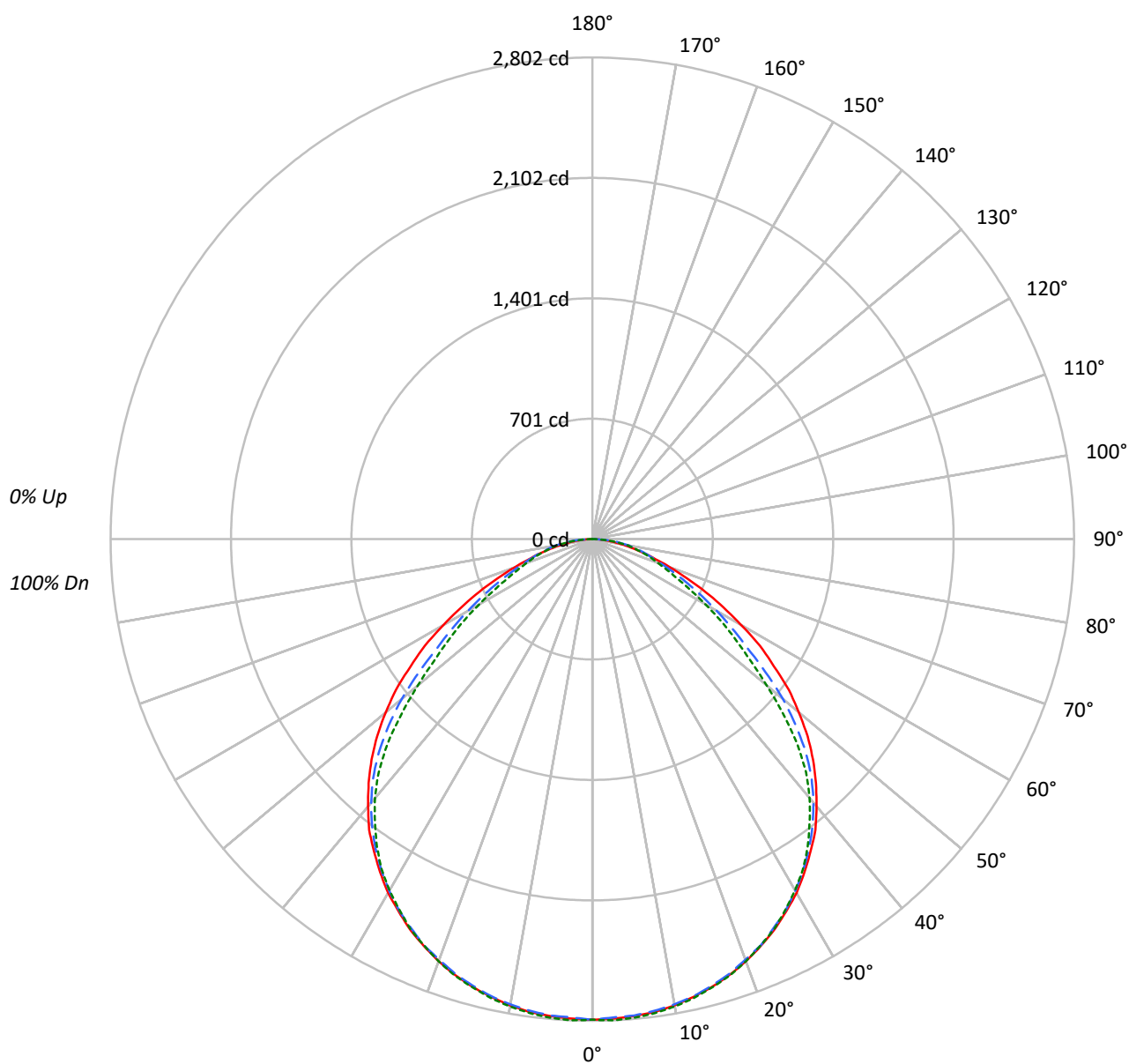
Lumens per Lamp: N/A
Luminaire Lumens: 6970.4 lumens
Efficiency: N/A
Efficacy: 116.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	86		
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62		
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54		
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47		
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37		
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33		
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30		
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3761	3761	3761
5°	3761	3757	3776
10°	3763	3754	3772
15°	3755	3746	3760
20°	3742	3727	3742
25°	3721	3706	3716
30°	3691	3670	3664
35°	3637	3609	3586
40°	3563	3515	3454
45°	3454	3343	3206
50°	3282	3030	2771
55°	3025	2573	2387
60°	2693	2249	2045
65°	2310	1949	1741
70°	1907	1718	1596
75°	1608	1644	1555
80°	1359	1678	1600
85°	1064	1700	1488

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3454 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.0	3.8
10°-20°	760.5	10.9
20°-30°	1152.1	16.5
30°-40°	1372.8	19.7
40°-50°	1342.4	19.3
50°-60°	1015.4	14.6
60°-70°	623.8	8.9
70°-80°	332.3	4.8
80°-90°	106.0	1.5
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°	2177.7	31.2
0°-40°	3550.4	50.9
0°-60°	5908.2	84.8
0°-90°	6970.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6970.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2795	2795	2795	2795	2795	
5°	2785	2788	2782	2792	2795	265
15°	2696	2699	2689	2699	2699	761
25°	2507	2503	2496	2500	2503	1154
35°	2214	2211	2197	2187	2184	1385
45°	1815	1805	1757	1698	1685	1396
55°	1289	1224	1097	1035	1018	1155
65°	726	667	612	564	547	722
75°	309	313	316	306	299	332
85°	69	90	110	103	96	83
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2795.4	2795.4	2795.4	2795.4	2795.4
2.5°	2792.1	2795.4	2784.9	2799.0	2802.2
5°	2784.9	2788.5	2781.7	2792.1	2795.4
7.5°	2774.8	2774.8	2767.9	2778.1	2781.7
10°	2754.2	2754.2	2747.4	2757.5	2761.1
12.5°	2726.8	2726.8	2723.2	2730.0	2733.7
15°	2695.8	2699.0	2688.9	2699.0	2699.0
17.5°	2657.8	2654.6	2651.0	2657.8	2661.5
20°	2613.1	2613.1	2603.0	2609.8	2613.1
22.5°	2561.5	2561.5	2558.2	2561.5	2558.2
25°	2506.6	2503.0	2496.1	2499.7	2503.0
27.5°	2441.3	2441.3	2434.4	2434.4	2430.8
30°	2375.9	2372.3	2362.2	2355.4	2358.6
32.5°	2296.9	2293.3	2283.2	2276.3	2279.5
35°	2214.2	2211.0	2197.2	2186.8	2183.5
37.5°	2131.9	2121.4	2104.1	2090.4	2076.7
40°	2028.7	2018.2	2001.2	1970.2	1966.6
42.5°	1925.4	1915.3	1887.5	1850.0	1839.5
45°	1815.3	1805.2	1756.9	1698.4	1684.7
47.5°	1698.4	1681.4	1605.6	1533.4	1506.0
50°	1568.1	1537.0	1447.5	1354.7	1323.7
52.5°	1440.6	1385.8	1268.8	1186.2	1155.5
55°	1289.4	1224.1	1097.0	1034.9	1017.6
57.5°	1155.5	1066.0	962.7	901.0	887.3
60°	1000.6	918.0	835.7	780.4	759.8
62.5°	859.5	787.3	718.7	670.3	646.5
65°	725.6	667.1	612.2	563.8	546.9
67.5°	594.9	563.8	519.1	481.5	471.1
70°	484.8	467.5	436.8	419.5	405.7
72.5°	385.2	392.0	371.4	364.6	354.1
75°	309.4	313.0	316.2	306.1	299.2
77.5°	233.9	250.9	264.6	257.7	250.9
80°	175.4	192.4	216.6	206.5	206.5
82.5°	120.2	141.1	161.7	154.9	151.2
85°	68.9	89.5	110.1	103.2	96.4
87.5°	27.4	44.8	48.0	48.0	44.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)