

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: P1050945

Luminaire Tested: 24PTR-72-PR1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050945
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-72-PR1-L835-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

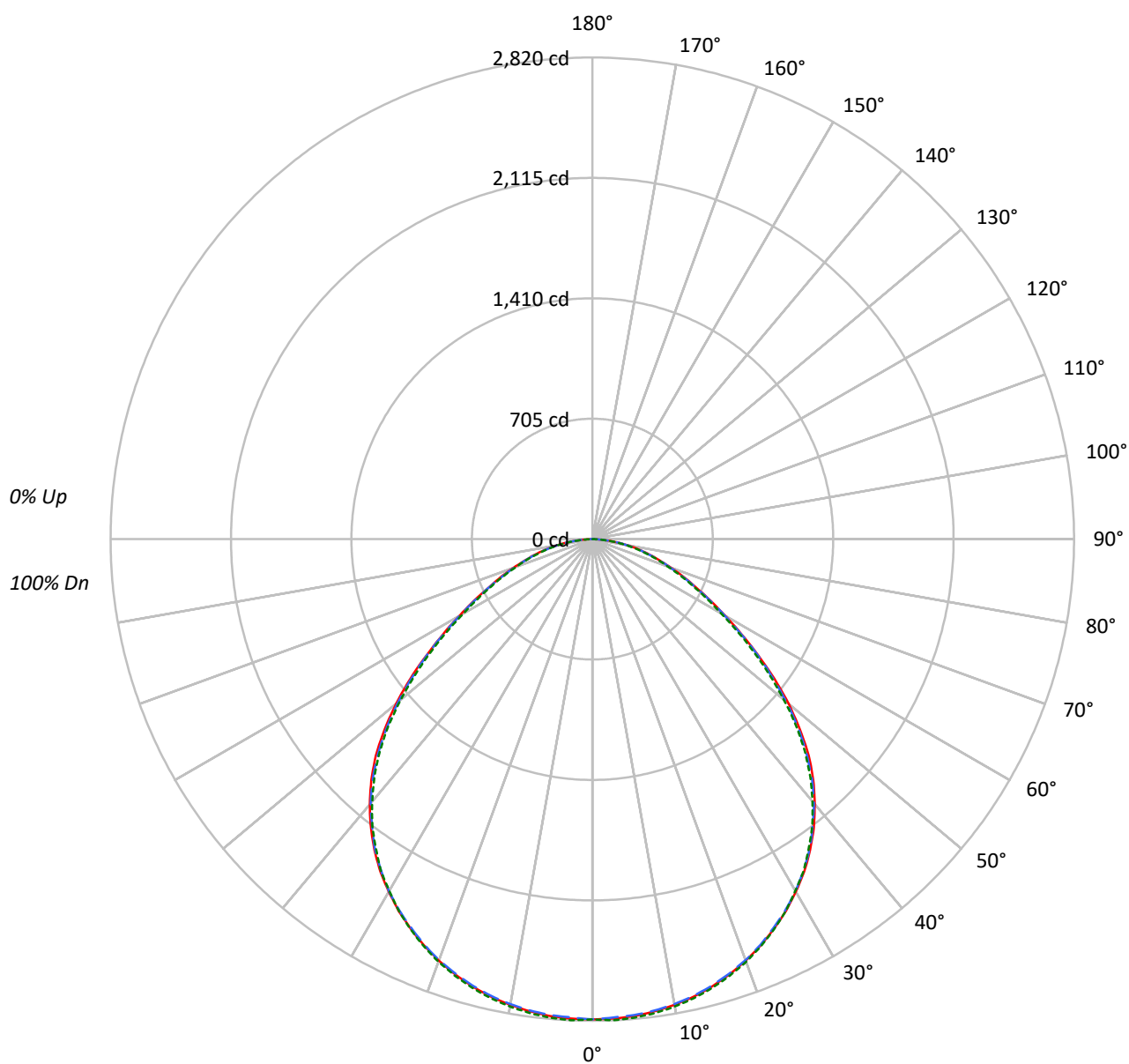
Lumens per Lamp: N/A
Luminaire Lumens: 7110.1 lumens
Efficiency: N/A
Efficacy: 118.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	92	90	91	89	88	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3783	3783	3783
5°	3786	3778	3799
10°	3783	3777	3797
15°	3776	3770	3788
20°	3760	3756	3770
25°	3736	3726	3740
30°	3702	3698	3693
35°	3652	3643	3628
40°	3559	3545	3520
45°	3411	3373	3348
50°	3138	3103	3065
55°	2777	2765	2711
60°	2414	2405	2340
65°	2127	2114	2073
70°	1930	1902	1864
75°	1787	1745	1713
80°	1631	1609	1554
85°	1289	1277	1226

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3411 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	266.7	3.8
10°-20°	765.5	10.8
20°-30°	1159.6	16.3
30°-40°	1384.3	19.5
40°-50°	1361.4	19.1
50°-60°	1052.2	14.8
60°-70°	663.5	9.3
70°-80°	358.9	5.0
80°-90°	98.0	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°	2191.7	30.8
0°-40°	3576.1	50.3
0°-60°	5989.7	84.2
0°-90°	7110.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7110.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2811	2811	2811	2811	2811	
5°	2803	2804	2797	2809	2812	266
15°	2711	2712	2707	2716	2720	765
25°	2516	2518	2510	2518	2519	1160
35°	2223	2224	2218	2215	2209	1388
45°	1792	1786	1772	1758	1760	1373
55°	1184	1194	1179	1160	1156	1063
65°	668	669	664	653	651	672
75°	344	340	336	338	330	365
85°	84	85	83	84	79	99
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2811.4	2811.4	2811.4	2811.4	2811.4
2.5°	2810.3	2811.4	2803.4	2816.6	2819.5
5°	2803.4	2804.5	2797.2	2809.2	2812.5
7.5°	2789.1	2791.3	2784.3	2796.4	2799.4
10°	2769.0	2771.2	2764.2	2776.3	2779.2
12.5°	2744.1	2744.8	2738.9	2749.9	2752.9
15°	2710.8	2711.5	2706.7	2715.5	2719.5
17.5°	2672.3	2673.4	2666.5	2677.4	2679.3
20°	2626.2	2626.9	2622.9	2632.0	2633.1
22.5°	2574.6	2576.8	2570.5	2578.6	2579.7
25°	2516.3	2518.2	2510.1	2518.2	2519.3
27.5°	2454.8	2455.6	2448.6	2454.8	2453.7
30°	2383.1	2389.3	2380.2	2378.0	2377.2
32.5°	2308.8	2309.5	2300.7	2298.5	2302.5
35°	2223.1	2223.8	2218.0	2215.0	2208.8
37.5°	2129.4	2129.4	2118.0	2116.2	2115.1
40°	2026.5	2025.4	2018.4	2011.5	2004.1
42.5°	1914.4	1916.6	1902.4	1890.3	1888.5
45°	1792.5	1785.6	1772.4	1758.5	1759.6
47.5°	1648.6	1650.5	1632.5	1621.2	1618.3
50°	1499.3	1499.3	1482.4	1470.3	1464.1
52.5°	1343.3	1344.4	1328.3	1312.2	1308.9
55°	1184.0	1193.9	1178.9	1159.9	1155.8
57.5°	1035.0	1043.1	1028.8	1008.7	1007.6
60°	897.0	897.7	893.7	874.7	869.5
62.5°	779.1	774.0	771.8	761.9	755.7
65°	668.2	669.3	664.1	652.8	651.0
67.5°	578.5	577.4	568.2	561.3	557.2
70°	490.6	487.7	483.6	477.8	473.8
72.5°	412.3	412.3	409.0	407.1	400.2
75°	343.8	339.8	335.7	337.6	329.5
77.5°	278.3	274.2	270.9	266.9	265.1
80°	210.5	206.5	207.6	201.4	200.6
82.5°	146.1	146.1	144.3	139.1	140.2
85°	83.5	84.6	82.7	83.5	79.4
87.5°	30.4	31.1	33.3	31.1	31.1
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)