

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: P1050560

Luminaire Tested: 24PTR-72-PB1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050560
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-L835-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

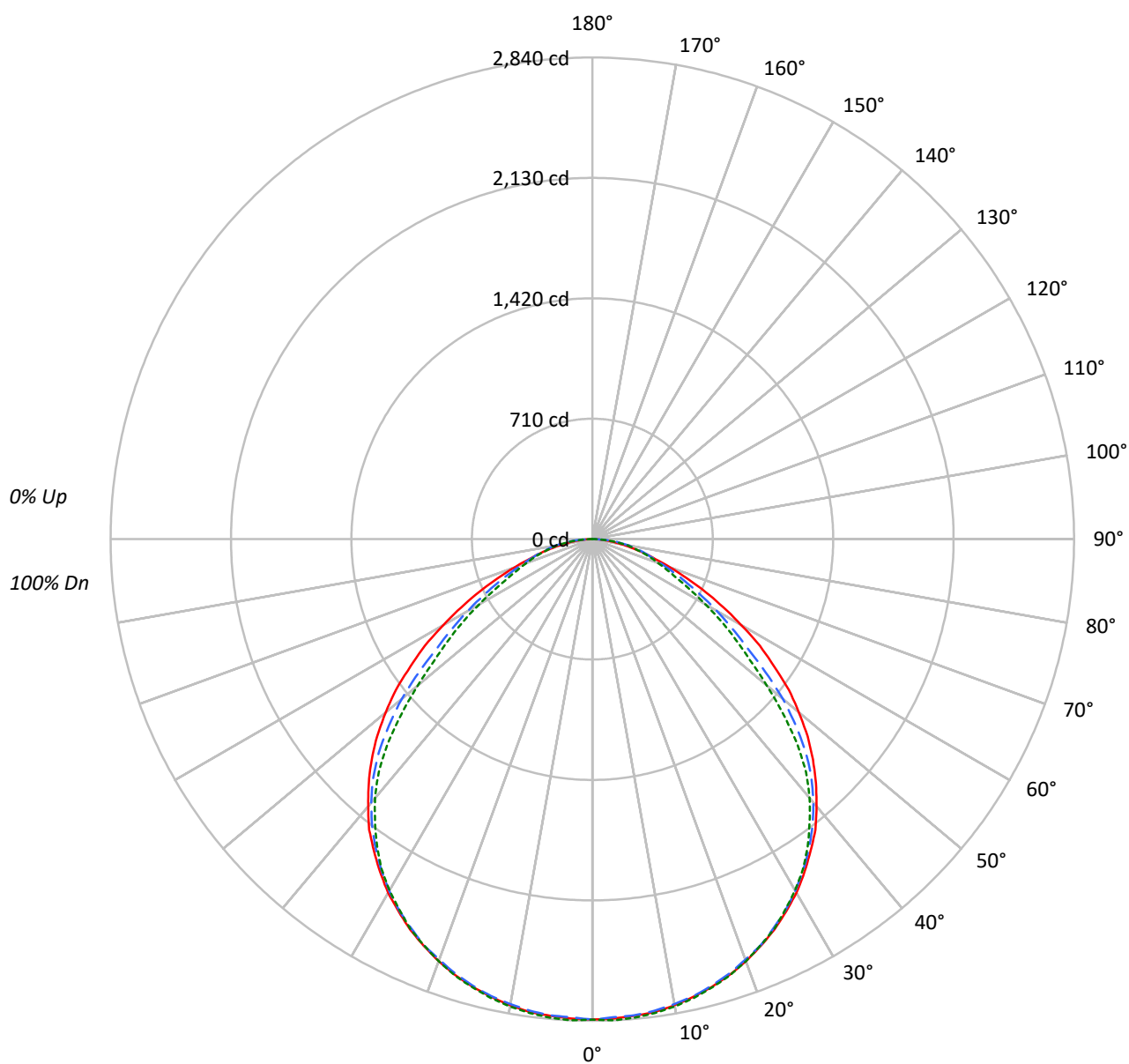
Lumens per Lamp: N/A
Luminaire Lumens: 7063.6 lumens
Efficiency: N/A
Efficacy: 117.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	3811	3811	3811
5°	3812	3807	3826
10°	3813	3804	3823
15°	3805	3796	3810
20°	3792	3777	3792
25°	3771	3755	3765
30°	3741	3719	3713
35°	3686	3657	3634
40°	3611	3562	3500
45°	3500	3388	3248
50°	3326	3070	2808
55°	3065	2608	2419
60°	2729	2279	2072
65°	2341	1975	1764
70°	1933	1741	1618
75°	1630	1666	1576
80°	1378	1701	1621
85°	1079	1723	1508

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3500 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.6	3.8
10°-20°	770.7	10.9
20°-30°	1167.5	16.5
30°-40°	1391.1	19.7
40°-50°	1360.3	19.3
50°-60°	1028.9	14.6
60°-70°	632.2	8.9
70°-80°	336.8	4.8
80°-90°	107.5	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°	2206.7	31.2
0°-40°	3597.8	50.9
0°-60°	5987.1	84.8
0°-90°	7063.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7063.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2833	2833	2833	2833	2833	
5°	2822	2826	2819	2829	2833	268
15°	2732	2735	2725	2735	2735	771
25°	2540	2536	2530	2533	2536	1170
35°	2244	2240	2227	2216	2213	1404
45°	1840	1829	1780	1721	1707	1415
55°	1307	1240	1112	1049	1031	1170
65°	735	676	620	571	554	732
75°	314	317	320	310	303	336
85°	70	91	112	105	98	84
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2832.7	2832.7	2832.7	2832.7	2832.7
2.5°	2829.4	2832.7	2822.1	2836.4	2839.7
5°	2822.1	2825.8	2818.8	2829.4	2832.7
7.5°	2811.9	2811.9	2804.9	2815.2	2818.8
10°	2791.0	2791.0	2784.1	2794.3	2798.0
12.5°	2763.2	2763.2	2759.6	2766.5	2770.2
15°	2731.8	2735.1	2724.8	2735.1	2735.1
17.5°	2693.4	2690.1	2686.4	2693.4	2697.0
20°	2648.0	2648.0	2637.8	2644.7	2648.0
22.5°	2595.7	2595.7	2592.4	2595.7	2592.4
25°	2540.1	2536.4	2529.5	2533.1	2536.4
27.5°	2473.9	2473.9	2466.9	2466.9	2463.3
30°	2407.7	2404.0	2393.8	2386.8	2390.1
32.5°	2327.6	2323.9	2313.7	2306.7	2310.0
35°	2243.8	2240.5	2226.6	2216.0	2212.7
37.5°	2160.4	2149.8	2132.2	2118.3	2104.4
40°	2055.8	2045.2	2028.0	1996.5	1992.9
42.5°	1951.2	1940.9	1912.7	1874.7	1864.1
45°	1839.6	1829.3	1780.3	1721.1	1707.2
47.5°	1721.1	1703.9	1627.1	1553.9	1526.1
50°	1589.0	1557.6	1466.8	1372.8	1341.4
52.5°	1459.9	1404.3	1285.8	1202.0	1170.9
55°	1306.6	1240.4	1111.7	1048.7	1031.2
57.5°	1170.9	1080.2	975.6	913.0	899.1
60°	1014.0	930.2	846.8	790.9	770.0
62.5°	871.0	797.8	728.3	679.3	655.1
65°	735.3	676.0	620.4	571.4	554.2
67.5°	602.8	571.4	526.0	488.0	477.4
70°	491.3	473.7	442.6	425.1	411.2
72.5°	390.3	397.3	376.4	369.5	358.8
75°	313.5	317.1	320.4	310.2	303.2
77.5°	237.0	254.2	268.1	261.2	254.2
80°	177.8	195.0	219.5	209.2	209.2
82.5°	121.8	143.0	163.9	156.9	153.3
85°	69.9	90.7	111.6	104.6	97.7
87.5°	27.8	45.4	48.7	48.7	45.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)