

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: P1050637

Luminaire Tested: 24PTR-72-PC3-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050637
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-72-PC3-L835-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

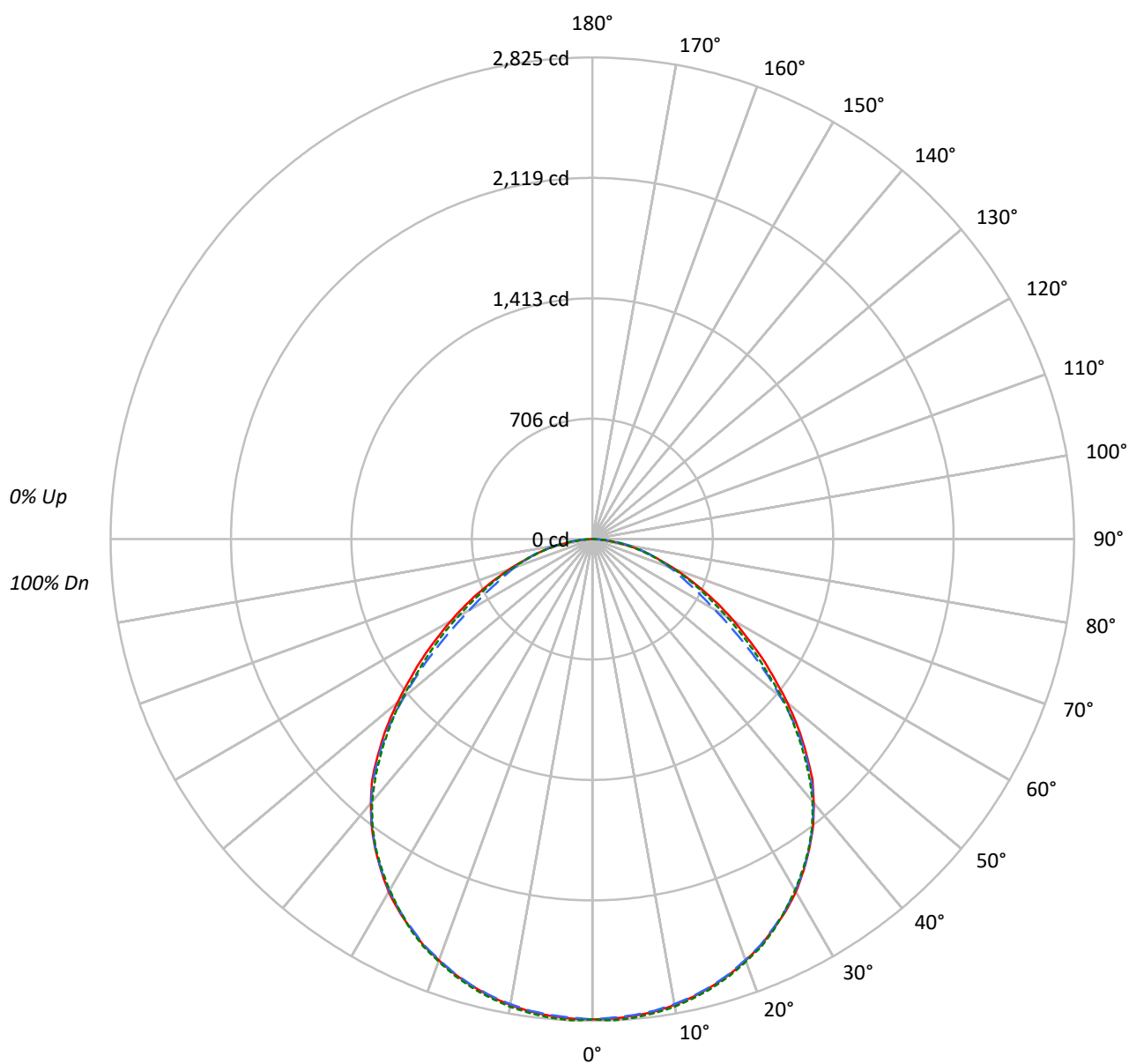
Lumens per Lamp: N/A
Luminaire Lumens: 7101.4 lumens
Efficiency: N/A
Efficacy: 118.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72		
3	92	82	74	68	90	80	73	68	77	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	46	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	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3790	3790	3790
5°	3791	3784	3806
10°	3791	3784	3804
15°	3782	3778	3795
20°	3765	3759	3775
25°	3739	3733	3748
30°	3711	3699	3693
35°	3644	3641	3634
40°	3548	3543	3527
45°	3374	3349	3315
50°	3123	3018	3052
55°	2850	2619	2737
60°	2570	2234	2451
65°	2297	1999	2204
70°	2038	1891	1982
75°	1802	1832	1766
80°	1554	1750	1546
85°	1164	1385	1164

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3382 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	267.2	3.8
10°-20°	766.8	10.8
20°-30°	1161.0	16.3
30°-40°	1384.2	19.5
40°-50°	1352.5	19.0
50°-60°	1034.2	14.6
60°-70°	664.0	9.4
70°-80°	369.4	5.2
80°-90°	102.0	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°	2195.0	30.9
0°-40°	3579.2	50.4
0°-60°	5965.9	84.0
0°-90°	7101.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7101.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2817	2817	2817	2817	2817	
5°	2807	2809	2802	2815	2818	267
15°	2715	2717	2712	2721	2724	766
25°	2519	2522	2515	2523	2525	1162
35°	2219	2220	2216	2215	2212	1386
45°	1773	1777	1760	1756	1742	1364
55°	1215	1173	1116	1130	1167	1086
65°	722	666	628	649	692	720
75°	347	350	352	348	340	370
85°	75	89	90	87	75	93
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2816.7	2816.7	2816.7	2816.7	2816.7
2.5°	2814.9	2816.0	2808.7	2820.8	2824.8
5°	2806.9	2808.7	2801.7	2814.9	2817.8
7.5°	2794.8	2796.6	2789.7	2802.8	2803.9
10°	2774.6	2775.7	2769.5	2782.7	2784.5
12.5°	2747.6	2750.5	2743.5	2755.6	2756.3
15°	2715.0	2717.2	2712.1	2721.2	2724.1
17.5°	2676.9	2678.0	2672.9	2682.8	2683.9
20°	2629.3	2629.3	2625.3	2636.6	2636.6
22.5°	2581.0	2578.1	2577.0	2581.0	2587.2
25°	2518.8	2521.7	2514.8	2522.8	2524.6
27.5°	2458.4	2458.4	2452.2	2456.2	2451.1
30°	2388.8	2384.8	2380.8	2381.5	2376.8
32.5°	2305.0	2305.0	2303.2	2303.2	2297.0
35°	2218.6	2220.5	2216.4	2215.3	2212.4
37.5°	2125.6	2128.9	2121.6	2119.8	2117.6
40°	2019.9	2019.9	2016.9	2012.9	2007.8
42.5°	1910.0	1910.0	1897.2	1887.0	1880.0
45°	1773.1	1777.2	1760.0	1755.9	1742.0
47.5°	1637.0	1634.0	1611.0	1608.1	1600.0
50°	1492.0	1474.8	1441.9	1450.7	1458.0
52.5°	1347.1	1325.8	1277.5	1287.4	1299.5
55°	1214.9	1172.8	1116.4	1130.4	1166.6
57.5°	1076.9	1020.5	964.2	990.5	1035.6
60°	955.0	891.7	830.2	858.4	910.7
62.5°	838.3	770.9	721.5	748.6	792.9
65°	721.5	665.8	627.8	648.6	692.2
67.5°	614.6	577.3	551.3	561.2	596.3
70°	518.0	494.5	480.6	483.6	503.7
72.5°	426.1	420.2	415.1	415.1	416.9
75°	346.6	349.6	352.5	347.7	339.7
77.5°	273.1	283.0	290.3	280.0	270.1
80°	200.6	216.7	225.9	214.5	199.5
82.5°	136.9	155.2	158.1	151.2	134.0
85°	75.4	88.6	89.7	86.8	75.4
87.5°	28.2	33.3	36.2	33.3	29.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)