

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: P1051011

Luminaire Tested: 24PTR-72-PW1-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1051011
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-72-PW1-L830-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

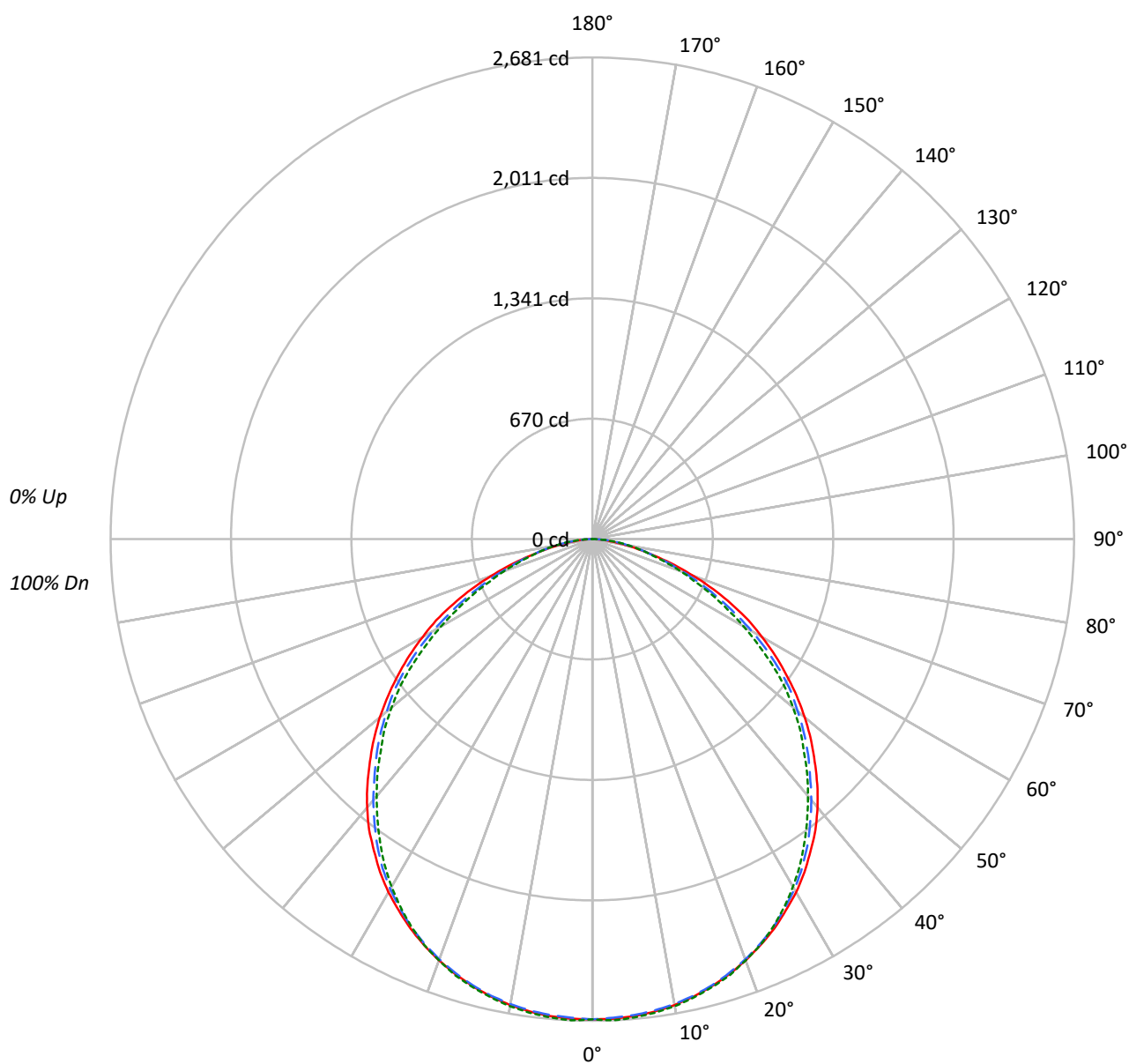
Lumens per Lamp: N/A
Luminaire Lumens: 7093.6 lumens
Efficiency: N/A
Efficacy: 118.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	102	102	100
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	74	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	63	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	33	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3596	3596	3596
5°	3600	3592	3610
10°	3598	3590	3608
15°	3587	3581	3595
20°	3572	3564	3572
25°	3553	3538	3535
30°	3526	3495	3470
35°	3478	3426	3382
40°	3425	3331	3279
45°	3330	3232	3166
50°	3230	3124	3052
55°	3095	2990	2871
60°	2935	2761	2617
65°	2714	2466	2343
70°	2353	2146	2066
75°	1878	1837	1787
80°	1428	1595	1595
85°	1056	1362	1362

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3330 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.5	3.6
10°-20°	727.1	10.2
20°-30°	1098.9	15.5
30°-40°	1304.8	18.4
40°-50°	1314.5	18.5
50°-60°	1136.3	16.0
60°-70°	776.6	10.9
70°-80°	382.9	5.4
80°-90°	99.1	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°	2079.4	29.3
0°-40°	3384.2	47.7
0°-60°	5835.0	82.3
0°-90°	7093.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7093.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2673	2673	2673	2673	2673	
5°	2665	2666	2659	2670	2673	253
15°	2575	2578	2571	2580	2581	727
25°	2393	2391	2383	2385	2381	1102
35°	2118	2110	2086	2067	2059	1326
45°	1750	1731	1698	1679	1664	1351
55°	1319	1315	1275	1237	1224	1180
65°	853	822	774	741	736	842
75°	361	358	353	353	344	394
85°	68	80	88	90	88	84
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2673.0	2673.0	2673.0	2673.0	2673.0
2.5°	2672.3	2673.0	2666.2	2678.0	2680.9
5°	2665.1	2666.2	2659.3	2670.1	2673.0
7.5°	2652.5	2654.3	2646.4	2657.2	2659.3
10°	2633.4	2634.5	2627.6	2638.4	2640.6
12.5°	2607.8	2608.6	2602.8	2612.5	2612.5
15°	2575.1	2578.0	2571.1	2580.1	2580.9
17.5°	2538.4	2539.5	2532.6	2542.3	2544.5
20°	2494.8	2494.8	2489.1	2497.0	2494.8
22.5°	2446.3	2446.3	2439.4	2443.4	2445.2
25°	2393.0	2390.8	2382.9	2385.1	2381.1
27.5°	2331.4	2331.4	2317.4	2317.4	2310.6
30°	2269.2	2264.1	2249.4	2240.4	2233.6
32.5°	2197.6	2190.7	2172.0	2156.2	2151.1
35°	2117.7	2110.5	2085.6	2066.9	2059.0
37.5°	2040.3	2024.4	1991.7	1973.0	1964.0
40°	1949.9	1930.2	1896.7	1870.8	1866.8
42.5°	1853.1	1837.3	1793.8	1774.7	1770.0
45°	1750.2	1731.1	1698.4	1678.6	1663.8
47.5°	1649.1	1635.0	1597.6	1573.9	1568.8
50°	1542.9	1531.0	1492.5	1467.0	1458.0
52.5°	1433.1	1425.2	1392.5	1359.7	1348.9
55°	1319.4	1315.4	1274.8	1237.0	1224.0
57.5°	1207.5	1202.4	1151.7	1108.1	1096.3
60°	1090.5	1075.7	1026.1	985.4	972.5
62.5°	979.7	948.0	894.4	862.7	847.9
65°	852.6	822.0	774.5	740.7	736.0
67.5°	728.1	691.4	654.7	633.8	618.0
70°	598.2	573.3	545.6	528.0	525.1
72.5°	477.2	459.6	445.6	434.8	425.8
75°	361.3	358.5	353.4	353.4	343.7
77.5°	265.6	272.4	276.4	275.3	277.5
80°	184.3	197.9	205.9	206.9	205.9
82.5°	117.0	132.8	145.8	147.6	149.7
85°	68.4	80.3	88.2	90.0	88.2
87.5°	30.6	38.5	40.7	42.5	40.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)