

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: P1051033

Luminaire Tested: 24PTR-72-PW1-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1051033
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-L840-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

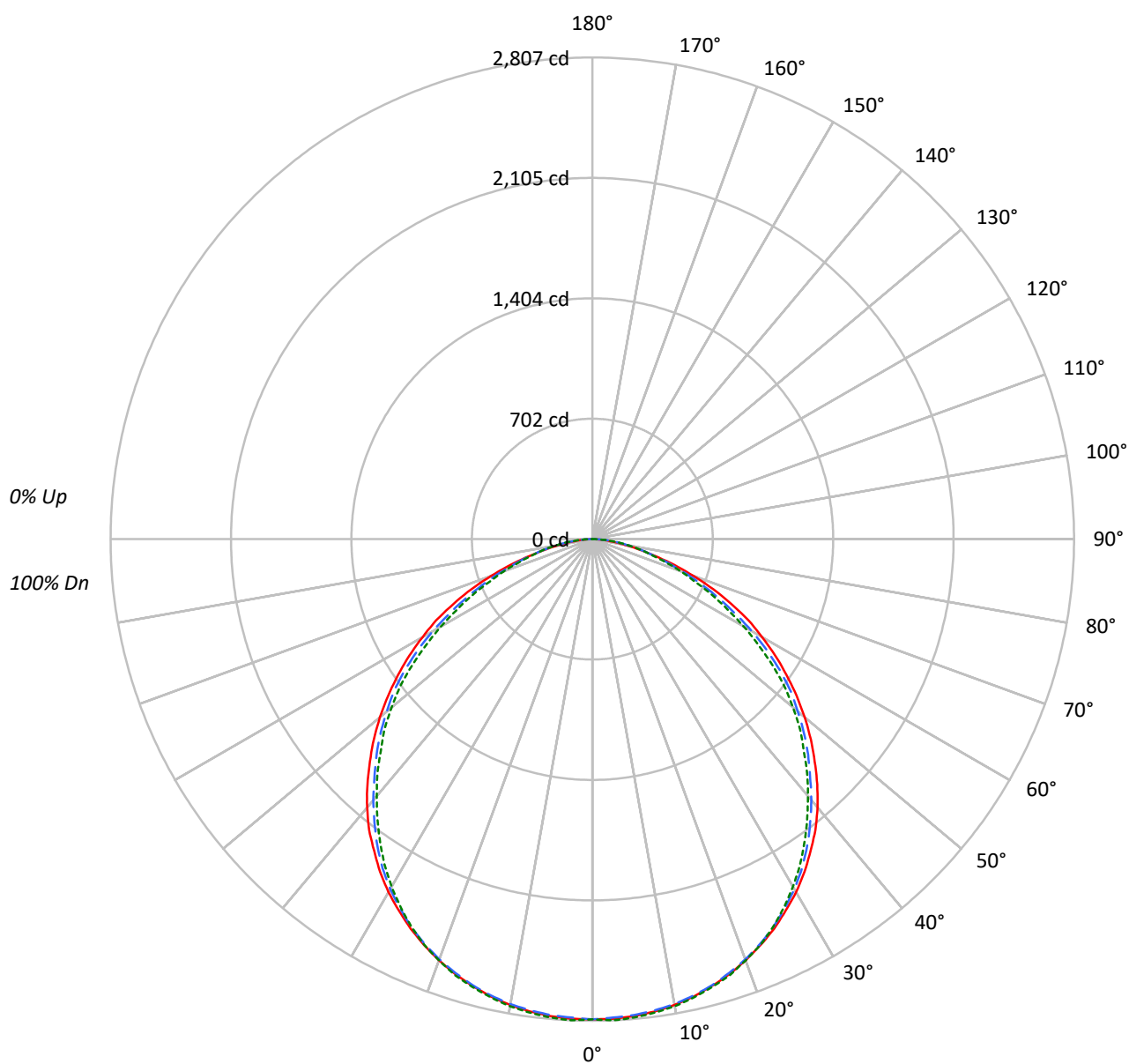
Lumens per Lamp: N/A
Luminaire Lumens: 7426.3 lumens
Efficiency: N/A
Efficacy: 123.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	3765	3765	3765
5°	3768	3760	3780
10°	3767	3758	3777
15°	3755	3749	3764
20°	3740	3731	3740
25°	3719	3704	3701
30°	3691	3659	3633
35°	3642	3586	3541
40°	3586	3488	3433
45°	3487	3383	3315
50°	3381	3271	3195
55°	3240	3131	3006
60°	3072	2891	2740
65°	2842	2581	2453
70°	2463	2247	2162
75°	1967	1923	1870
80°	1495	1670	1670
85°	1105	1425	1425

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3487 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.4	3.6
10°-20°	761.2	10.2
20°-30°	1150.4	15.5
30°-40°	1366.0	18.4
40°-50°	1376.2	18.5
50°-60°	1189.6	16.0
60°-70°	813.0	10.9
70°-80°	400.9	5.4
80°-90°	103.7	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°	2177.0	29.3
0°-40°	3543.0	47.7
0°-60°	6108.7	82.3
0°-90°	7426.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7426.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2798	2798	2798	2798	2798	
5°	2790	2791	2784	2795	2798	265
15°	2696	2699	2692	2701	2702	761
25°	2505	2503	2495	2497	2493	1154
35°	2217	2210	2184	2164	2156	1388
45°	1832	1812	1778	1757	1742	1414
55°	1381	1377	1335	1295	1281	1235
65°	893	861	811	775	770	881
75°	378	375	370	370	360	412
85°	72	84	92	94	92	88
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2798.4	2798.4	2798.4	2798.4	2798.4
2.5°	2797.6	2798.4	2791.2	2803.6	2806.7
5°	2790.1	2791.2	2784.0	2795.3	2798.4
7.5°	2776.9	2778.8	2770.5	2781.8	2784.0
10°	2756.9	2758.0	2750.9	2762.2	2764.5
12.5°	2730.2	2730.9	2724.9	2735.1	2735.1
15°	2695.9	2698.9	2691.7	2701.2	2701.9
17.5°	2657.4	2658.6	2651.4	2661.6	2663.9
20°	2611.9	2611.9	2605.8	2614.1	2611.9
22.5°	2561.0	2561.0	2553.8	2558.0	2559.9
25°	2505.2	2503.0	2494.7	2496.9	2492.8
27.5°	2440.8	2440.8	2426.1	2426.1	2418.9
30°	2375.6	2370.3	2354.9	2345.5	2338.3
32.5°	2300.6	2293.5	2273.9	2257.3	2252.0
35°	2217.0	2209.5	2183.5	2163.9	2155.6
37.5°	2136.0	2119.4	2085.1	2065.5	2056.1
40°	2041.4	2020.7	1985.6	1958.5	1954.4
42.5°	1940.1	1923.5	1877.9	1857.9	1853.0
45°	1832.3	1812.3	1778.0	1757.3	1741.9
47.5°	1726.4	1711.7	1672.5	1647.7	1642.4
50°	1615.3	1602.8	1562.5	1535.8	1526.3
52.5°	1500.3	1492.1	1457.8	1423.5	1412.2
55°	1381.3	1377.1	1334.6	1295.0	1281.4
57.5°	1264.1	1258.8	1205.7	1160.1	1147.7
60°	1141.7	1126.2	1074.2	1031.6	1018.1
62.5°	1025.6	992.4	936.3	903.1	887.7
65°	892.6	860.6	810.8	775.4	770.5
67.5°	762.2	723.8	685.4	663.5	646.9
70°	626.2	600.2	571.2	552.7	549.7
72.5°	499.6	481.2	466.5	455.2	445.7
75°	378.3	375.3	370.0	370.0	359.8
77.5°	278.1	285.2	289.4	288.2	290.5
80°	192.9	207.2	215.5	216.6	215.5
82.5°	122.5	139.0	152.6	154.5	156.7
85°	71.6	84.0	92.3	94.2	92.3
87.5°	32.0	40.3	42.6	44.5	42.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)