

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: P1050725

Luminaire Tested: 24PTR-72-PL1-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050725
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-72-PL1-L840-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

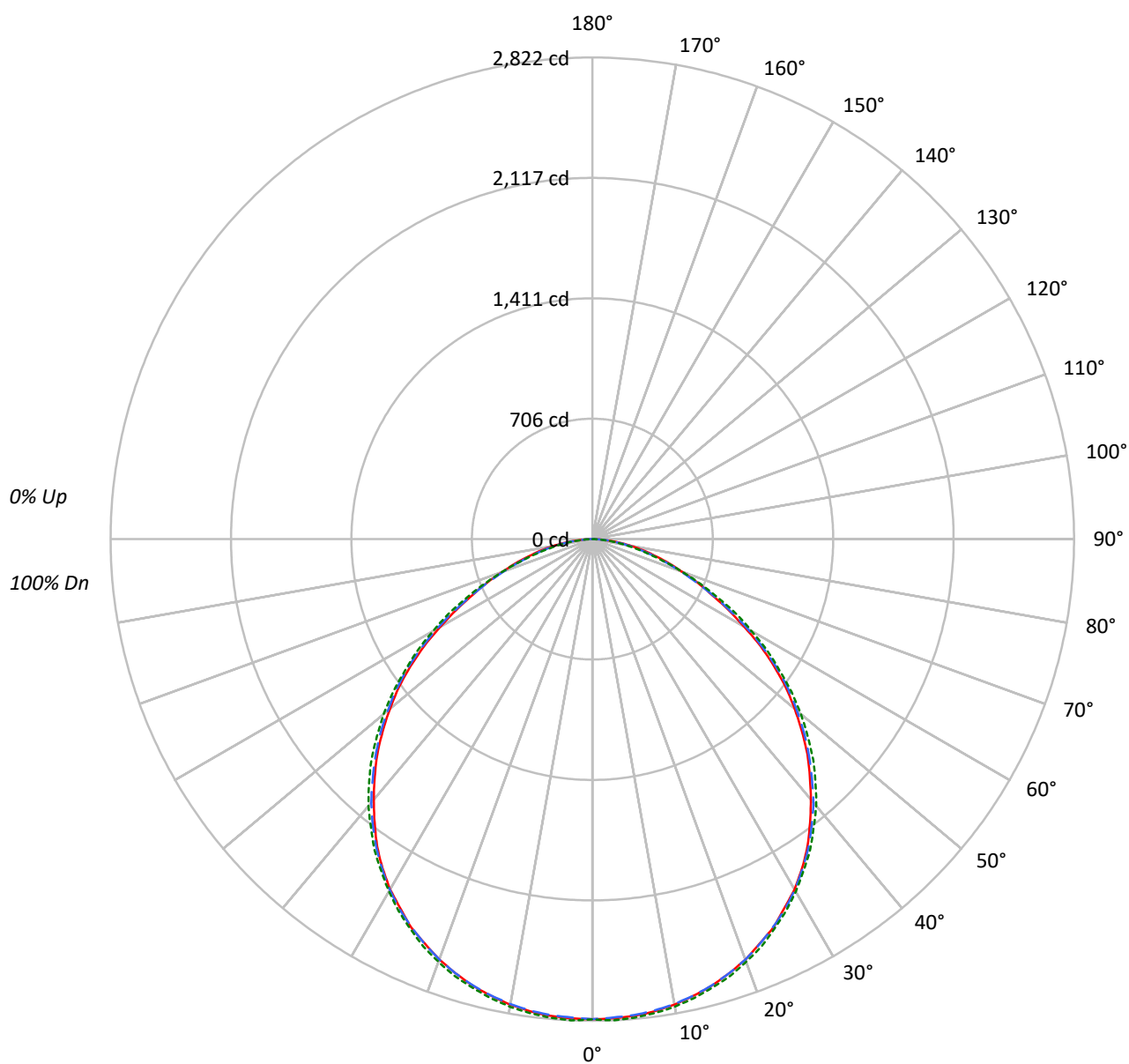
Lumens per Lamp: N/A
Luminaire Lumens: 7414.6 lumens
Efficiency: N/A
Efficacy: 123.6 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	109	105	101	97	107	103	99	96		98	95	93		94	92	90		91	89	87
2	100	92	86	80	97	90	84	79		87	82	77		83	79	75		80	77	74
3	91	81	73	67	89	80	72	66		77	70	65		74	69	64		71	67	63
4	84	72	64	57	82	71	63	57		68	61	56		66	60	55		64	59	55
5	77	65	56	49	75	64	55	49		61	54	49		60	53	48		58	52	48
6	71	58	50	43	69	57	49	43		56	48	43		54	47	42		52	47	42
7	66	53	44	38	65	52	44	38		51	43	38		49	43	38		48	42	37
8	62	48	40	34	60	48	40	34		46	39	34		45	39	34		44	38	34
9	58	44	36	31	56	44	36	31		43	36	31		42	35	30		41	35	30
10	54	41	33	28	53	41	33	28		40	33	28		39	32	28		38	32	28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3785	3785	3785
5°	3788	3781	3802
10°	3783	3779	3800
15°	3772	3770	3789
20°	3753	3753	3774
25°	3727	3722	3742
30°	3680	3685	3703
35°	3610	3624	3653
40°	3498	3538	3584
45°	3389	3417	3483
50°	3240	3275	3340
55°	3051	3100	3137
60°	2768	2827	2897
65°	2458	2485	2585
70°	2198	2153	2206
75°	1982	1868	1831
80°	1801	1673	1485
85°	1525	1385	1193

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3483 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	266.8	3.6
10°-20°	765.3	10.3
20°-30°	1157.6	15.6
30°-40°	1379.8	18.6
40°-50°	1387.5	18.7
50°-60°	1177.5	15.9
60°-70°	784.0	10.6
70°-80°	391.5	5.3
80°-90°	104.7	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°	2189.7	29.5
0°-40°	3569.5	48.1
0°-60°	6134.4	82.7
0°-90°	7414.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7414.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2813	2813	2813	2813	2813	
5°	2805	2805	2799	2812	2815	267
15°	2708	2711	2706	2718	2720	764
25°	2511	2511	2507	2519	2521	1154
35°	2198	2200	2206	2222	2224	1371
45°	1781	1784	1796	1820	1830	1370
55°	1301	1310	1322	1334	1337	1159
65°	772	779	780	792	812	774
75°	381	376	359	351	352	410
85°	99	97	90	84	77	114
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2812.9	2812.9	2812.9	2812.9	2812.9
2.5°	2810.6	2812.9	2805.3	2819.0	2822.4
5°	2804.6	2805.3	2799.3	2811.8	2814.8
7.5°	2790.9	2792.1	2785.6	2799.3	2801.2
10°	2769.0	2771.2	2765.9	2778.4	2781.5
12.5°	2741.0	2744.0	2738.7	2752.3	2754.6
15°	2707.6	2710.7	2706.5	2717.9	2720.1
17.5°	2666.7	2669.0	2666.7	2677.3	2683.4
20°	2620.9	2620.9	2620.9	2630.4	2635.7
22.5°	2563.7	2569.0	2566.8	2579.2	2584.6
25°	2510.7	2510.7	2507.3	2519.0	2520.9
27.5°	2436.5	2444.8	2444.1	2454.3	2456.6
30°	2368.7	2371.0	2372.1	2379.3	2383.5
32.5°	2286.5	2288.4	2291.8	2302.0	2303.2
35°	2197.9	2200.2	2206.2	2221.8	2224.0
37.5°	2094.9	2106.3	2111.6	2128.2	2130.1
40°	1991.5	1998.7	2014.6	2032.0	2040.4
42.5°	1886.2	1894.6	1904.0	1927.9	1935.5
45°	1781.0	1784.0	1795.7	1819.6	1830.2
47.5°	1664.3	1673.8	1684.0	1704.9	1711.3
50°	1547.7	1557.9	1564.4	1582.9	1595.4
52.5°	1429.9	1439.4	1446.6	1458.0	1470.4
55°	1300.8	1309.9	1321.6	1334.1	1337.2
57.5°	1169.4	1179.6	1187.2	1200.4	1214.1
60°	1028.5	1040.3	1050.5	1063.0	1076.6
62.5°	897.5	902.4	913.0	933.8	953.5
65°	772.1	778.6	780.5	792.2	811.9
67.5°	668.0	668.0	658.5	662.7	684.7
70°	558.6	554.4	547.2	543.0	560.8
72.5°	470.0	464.7	449.1	441.9	451.4
75°	381.3	376.0	359.4	351.0	352.2
77.5°	306.4	298.0	284.4	270.0	267.0
80°	232.5	229.1	215.9	202.2	191.6
82.5°	164.7	157.5	150.0	141.6	133.3
85°	98.8	96.9	89.7	84.4	77.3
87.5°	40.5	40.5	38.6	36.4	34.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)