

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: P1050483

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050483
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-72-L835-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

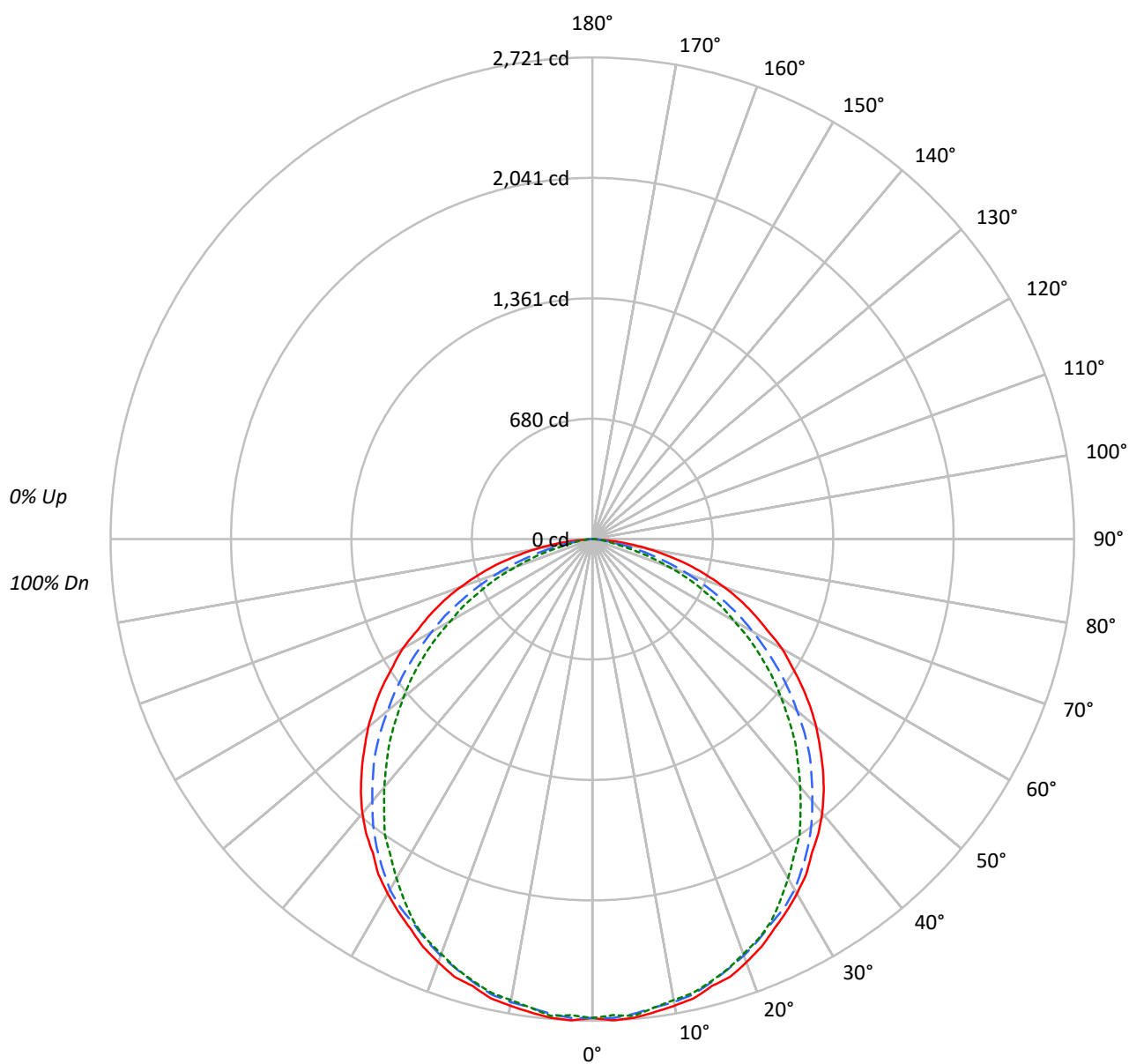
Lumens per Lamp: N/A
Luminaire Lumens: 7204.8 lumens
Efficiency: N/A
Efficacy: 120.1 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	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	96	98	95	93	95	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	74	74	72
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	56	68	61	56	66	60	55	64	58	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	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	33	33	31
9	57	44	36	31	56	44	36	30	42	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	27	37	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3639	3639	3639
5°	3666	3636	3651
10°	3656	3627	3612
15°	3640	3611	3604
20°	3642	3585	3571
25°	3607	3554	3542
30°	3592	3552	3436
35°	3551	3488	3353
40°	3548	3395	3209
45°	3504	3308	3081
50°	3457	3160	2914
55°	3390	3012	2736
60°	3329	2818	2484
65°	3216	2585	2221
70°	3112	2250	1812
75°	2923	1775	1248
80°	2534	1073	749
85°	1690	770	721

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3504 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.4	3.6
10°-20°	733.7	10.2
20°-30°	1108.2	15.4
30°-40°	1317.7	18.3
40°-50°	1336.4	18.5
50°-60°	1160.4	16.1
60°-70°	823.8	11.4
70°-80°	393.7	5.5
80°-90°	74.6	1.0
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°	2098.3	29.1
0°-40°	3416.0	47.4
0°-60°	5912.8	82.1
0°-90°	7204.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7204.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2705	2705	2705	2705	2705	
5°	2714	2705	2692	2698	2703	258
15°	2613	2620	2592	2589	2587	740
25°	2429	2426	2394	2404	2386	1122
35°	2162	2159	2123	2051	2041	1358
45°	1841	1825	1738	1646	1619	1420
55°	1445	1402	1284	1208	1166	1291
65°	1010	934	812	725	698	1000
75°	562	459	342	271	240	590
85°	110	58	50	48	47	138
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2704.8	2704.8	2704.8	2704.8	2704.8
2.5°	2721.0	2711.3	2708.1	2719.3	2692.0
5°	2714.5	2704.8	2692.0	2698.4	2703.2
7.5°	2695.2	2687.1	2669.4	2683.9	2669.4
10°	2675.8	2667.8	2654.9	2659.7	2643.6
12.5°	2656.5	2637.2	2634.0	2637.2	2625.9
15°	2613.0	2619.5	2592.1	2588.9	2587.2
17.5°	2592.1	2576.0	2547.0	2548.6	2545.4
20°	2543.7	2524.4	2503.5	2500.2	2493.8
22.5°	2493.8	2471.3	2451.9	2461.6	2447.1
25°	2429.4	2426.1	2393.9	2403.6	2385.9
27.5°	2373.0	2361.7	2347.2	2326.3	2300.5
30°	2311.8	2300.5	2286.0	2231.2	2211.9
32.5°	2247.3	2234.4	2205.4	2141.0	2120.1
35°	2161.9	2158.7	2123.3	2050.8	2041.1
37.5°	2097.5	2062.1	2033.1	1959.0	1931.6
40°	2020.2	2000.8	1933.2	1862.3	1826.9
42.5°	1934.8	1912.2	1834.9	1759.2	1720.5
45°	1841.4	1825.2	1738.3	1646.4	1619.0
47.5°	1744.7	1730.2	1627.1	1538.5	1503.0
50°	1651.3	1633.5	1509.5	1424.1	1391.9
52.5°	1549.8	1520.8	1398.3	1314.6	1284.0
55°	1445.1	1401.6	1284.0	1208.2	1166.4
57.5°	1333.9	1293.6	1163.1	1084.2	1050.4
60°	1237.2	1180.9	1047.1	966.6	923.1
62.5°	1113.2	1064.9	937.6	842.5	821.6
65°	1010.1	934.4	811.9	724.9	697.6
67.5°	905.4	816.8	692.7	604.1	589.6
70°	791.0	699.2	571.9	484.9	460.7
72.5°	675.0	584.8	460.7	368.9	354.4
75°	562.2	459.1	341.5	270.6	240.0
77.5°	439.8	346.4	240.0	165.9	146.6
80°	327.0	233.6	138.5	98.3	96.7
82.5°	214.3	135.3	74.1	75.7	72.5
85°	109.5	58.0	49.9	48.3	46.7
87.5°	20.9	22.6	24.2	24.2	24.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)