

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: P1050505

Luminaire Tested: 24PTR-72-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050505
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-L850-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

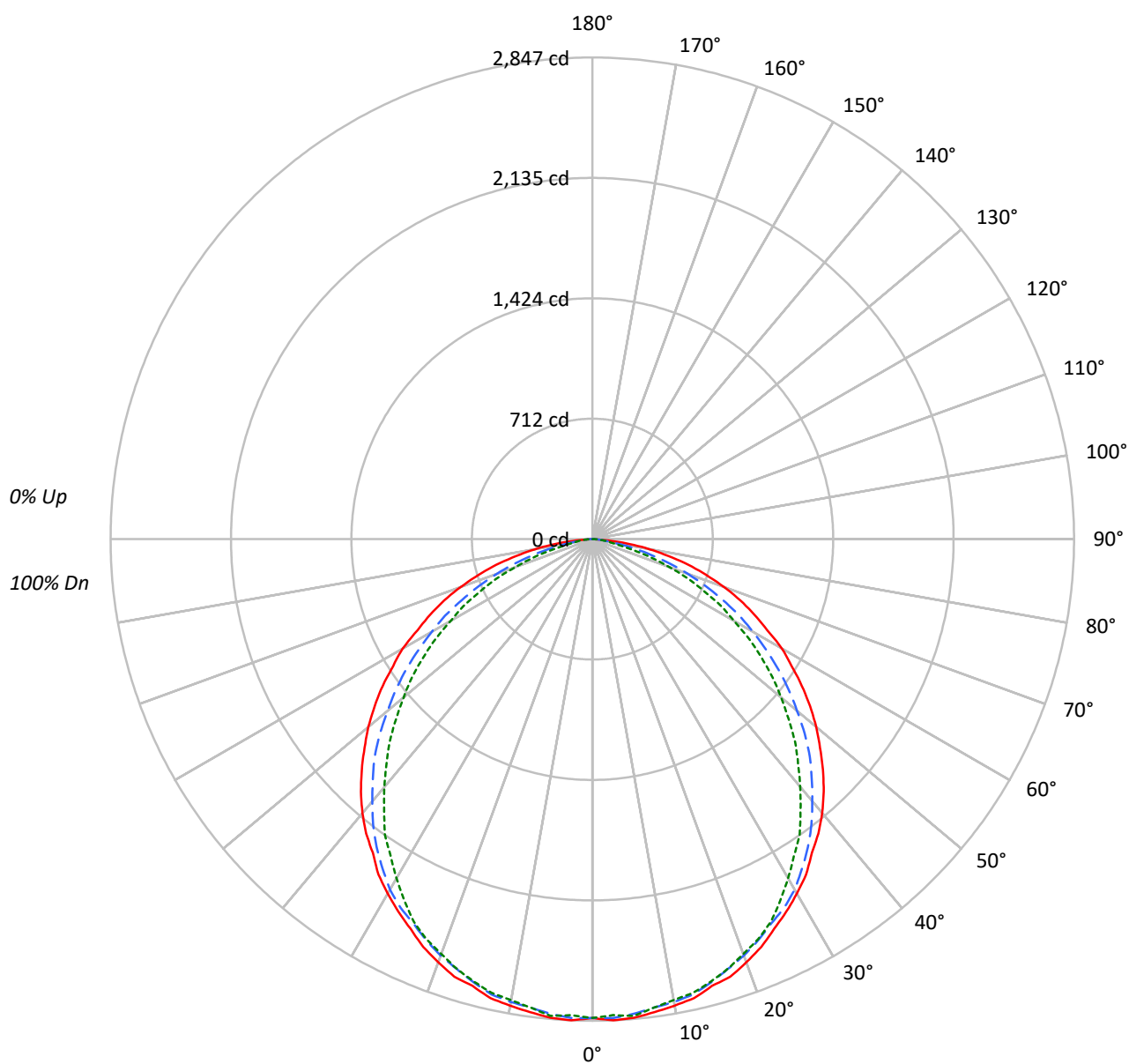
Lumens per Lamp: N/A
Luminaire Lumens: 7538.2 lumens
Efficiency: N/A
Efficacy: 125.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	3808	3808	3808
5°	3836	3804	3820
10°	3825	3795	3779
15°	3808	3778	3771
20°	3811	3750	3736
25°	3774	3718	3706
30°	3758	3716	3595
35°	3715	3649	3508
40°	3713	3553	3357
45°	3666	3461	3223
50°	3616	3306	3048
55°	3547	3151	2863
60°	3483	2948	2599
65°	3365	2705	2323
70°	3256	2354	1897
75°	3058	1857	1305
80°	2651	1124	783
85°	1769	807	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3666 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.3	3.6
10°-20°	767.6	10.2
20°-30°	1159.5	15.4
30°-40°	1378.6	18.3
40°-50°	1398.2	18.5
50°-60°	1214.1	16.1
60°-70°	861.9	11.4
70°-80°	411.9	5.5
80°-90°	78.1	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°	2195.4	29.1
0°-40°	3574.0	47.4
0°-60°	6186.4	82.1
0°-90°	7538.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7538.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2830	2830	2830	2830	2830	
5°	2840	2830	2816	2823	2828	270
15°	2734	2741	2712	2709	2707	774
25°	2542	2538	2505	2515	2496	1174
35°	2262	2259	2222	2146	2136	1421
45°	1927	1910	1819	1723	1694	1486
55°	1512	1466	1343	1264	1220	1351
65°	1057	978	850	758	730	1047
75°	588	480	357	283	251	617
85°	115	61	52	51	49	145
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2830.0	2830.0	2830.0	2830.0	2830.0
2.5°	2846.9	2836.8	2833.4	2845.2	2816.5
5°	2840.1	2830.0	2816.5	2823.3	2828.3
7.5°	2819.9	2811.5	2792.9	2808.1	2792.9
10°	2799.7	2791.3	2777.8	2782.8	2766.0
12.5°	2779.5	2759.2	2755.9	2759.2	2747.4
15°	2733.9	2740.7	2712.0	2708.7	2707.0
17.5°	2712.0	2695.2	2664.8	2666.5	2663.2
20°	2661.5	2641.2	2619.3	2616.0	2609.2
22.5°	2609.2	2585.6	2565.4	2575.5	2560.3
25°	2541.8	2538.4	2504.7	2514.8	2496.3
27.5°	2482.8	2471.0	2455.8	2433.9	2407.0
30°	2418.7	2407.0	2391.8	2334.5	2314.2
32.5°	2351.3	2337.8	2307.5	2240.1	2218.2
35°	2262.0	2258.6	2221.5	2145.7	2135.6
37.5°	2194.6	2157.5	2127.2	2049.6	2021.0
40°	2113.7	2093.4	2022.6	1948.5	1911.4
42.5°	2024.3	2000.7	1919.8	1840.6	1800.2
45°	1926.6	1909.7	1818.7	1722.6	1694.0
47.5°	1825.4	1810.3	1702.4	1609.7	1572.6
50°	1727.7	1709.1	1579.4	1490.0	1456.3
52.5°	1621.5	1591.1	1463.0	1375.4	1343.4
55°	1511.9	1466.4	1343.4	1264.2	1220.3
57.5°	1395.6	1353.5	1217.0	1134.4	1099.0
60°	1294.5	1235.5	1095.6	1011.3	965.8
62.5°	1164.7	1114.1	981.0	881.5	859.6
65°	1056.8	977.6	849.5	758.5	729.8
67.5°	947.3	854.6	724.8	632.1	616.9
70°	827.6	731.5	598.4	507.3	482.1
72.5°	706.2	611.9	482.1	386.0	370.8
75°	588.3	480.4	357.3	283.2	251.1
77.5°	460.2	362.4	251.1	173.6	153.4
80°	342.2	244.4	145.0	102.8	101.1
82.5°	224.2	141.6	77.5	79.2	75.8
85°	114.6	60.7	52.3	50.6	48.9
87.5°	21.9	23.6	25.3	25.3	25.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)