

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: P1050472

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050472
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-L830-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

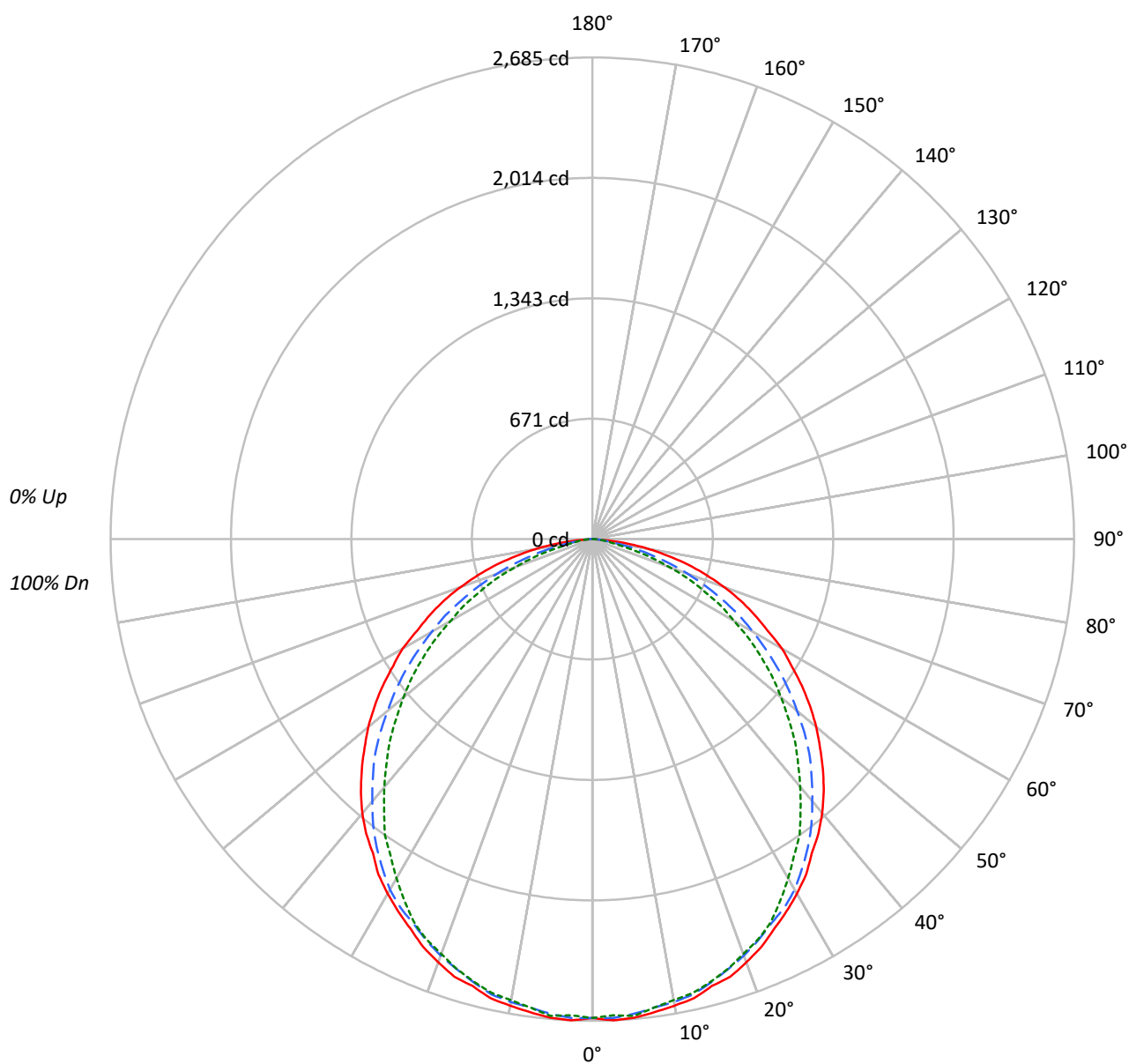
Lumens per Lamp: N/A
Luminaire Lumens: 7109.8 lumens
Efficiency: N/A
Efficacy: 118.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	3591	3591	3591
5°	3618	3588	3603
10°	3608	3579	3564
15°	3592	3563	3556
20°	3594	3537	3524
25°	3559	3507	3495
30°	3544	3505	3391
35°	3504	3442	3308
40°	3501	3351	3166
45°	3458	3264	3040
50°	3411	3118	2875
55°	3345	2972	2700
60°	3285	2781	2451
65°	3174	2551	2192
70°	3071	2220	1789
75°	2884	1752	1232
80°	2500	1059	739
85°	1669	761	712

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3458 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.0	3.6
10°-20°	724.0	10.2
20°-30°	1093.6	15.4
30°-40°	1300.3	18.3
40°-50°	1318.7	18.5
50°-60°	1145.1	16.1
60°-70°	812.9	11.4
70°-80°	388.5	5.5
80°-90°	73.6	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°	2070.6	29.1
0°-40°	3370.9	47.4
0°-60°	5834.8	82.1
0°-90°	7109.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7109.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2669	2669	2669	2669	2669	
5°	2679	2669	2656	2663	2668	254
15°	2579	2585	2558	2555	2553	730
25°	2397	2394	2362	2372	2354	1107
35°	2133	2130	2095	2024	2014	1341
45°	1817	1801	1715	1625	1598	1402
55°	1426	1383	1267	1192	1151	1274
65°	997	922	801	715	688	987
75°	555	453	337	267	237	582
85°	108	57	49	48	46	136
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2669.2	2669.2	2669.2	2669.2	2669.2
2.5°	2685.1	2675.5	2672.4	2683.5	2656.5
5°	2678.7	2669.2	2656.5	2662.8	2667.6
7.5°	2659.6	2651.7	2634.2	2648.5	2634.2
10°	2640.6	2632.6	2619.9	2624.7	2608.8
12.5°	2621.5	2602.4	2599.2	2602.4	2591.3
15°	2578.6	2584.9	2557.9	2554.7	2553.1
17.5°	2557.9	2542.0	2513.4	2515.0	2511.8
20°	2510.2	2491.1	2470.5	2467.3	2460.9
22.5°	2460.9	2438.7	2419.6	2429.1	2414.8
25°	2397.3	2394.2	2362.4	2371.9	2354.4
27.5°	2341.7	2330.6	2316.3	2295.6	2270.2
30°	2281.3	2270.2	2255.9	2201.8	2182.7
32.5°	2217.7	2205.0	2176.4	2112.8	2092.1
35°	2133.4	2130.3	2095.3	2023.7	2014.2
37.5°	2069.9	2034.9	2006.3	1933.1	1906.1
40°	1993.5	1974.5	1907.7	1837.7	1802.8
42.5°	1909.3	1887.0	1810.7	1736.0	1697.9
45°	1817.1	1801.2	1715.3	1624.7	1597.7
47.5°	1721.7	1707.4	1605.6	1518.2	1483.2
50°	1629.5	1612.0	1489.6	1405.3	1373.5
52.5°	1529.3	1500.7	1379.9	1297.2	1267.0
55°	1426.0	1383.1	1267.0	1192.3	1151.0
57.5°	1316.3	1276.6	1147.8	1069.9	1036.5
60°	1220.9	1165.3	1033.3	953.8	910.9
62.5°	1098.5	1050.8	925.2	831.4	810.8
65°	996.8	922.1	801.2	715.4	688.4
67.5°	893.4	806.0	683.6	596.2	581.8
70°	780.6	690.0	564.4	478.5	454.7
72.5°	666.1	577.1	454.7	364.1	349.7
75°	554.8	453.1	337.0	267.1	236.9
77.5°	434.0	341.8	236.9	163.7	144.7
80°	322.7	230.5	136.7	97.0	95.4
82.5°	211.4	133.5	73.1	74.7	71.5
85°	108.1	57.2	49.3	47.7	46.1
87.5°	20.7	22.3	23.8	23.8	23.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)