

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: P1050867

Luminaire Tested: 24PTR-60-PP3-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050867
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-60-PP3-L835-UNV-STD-W
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

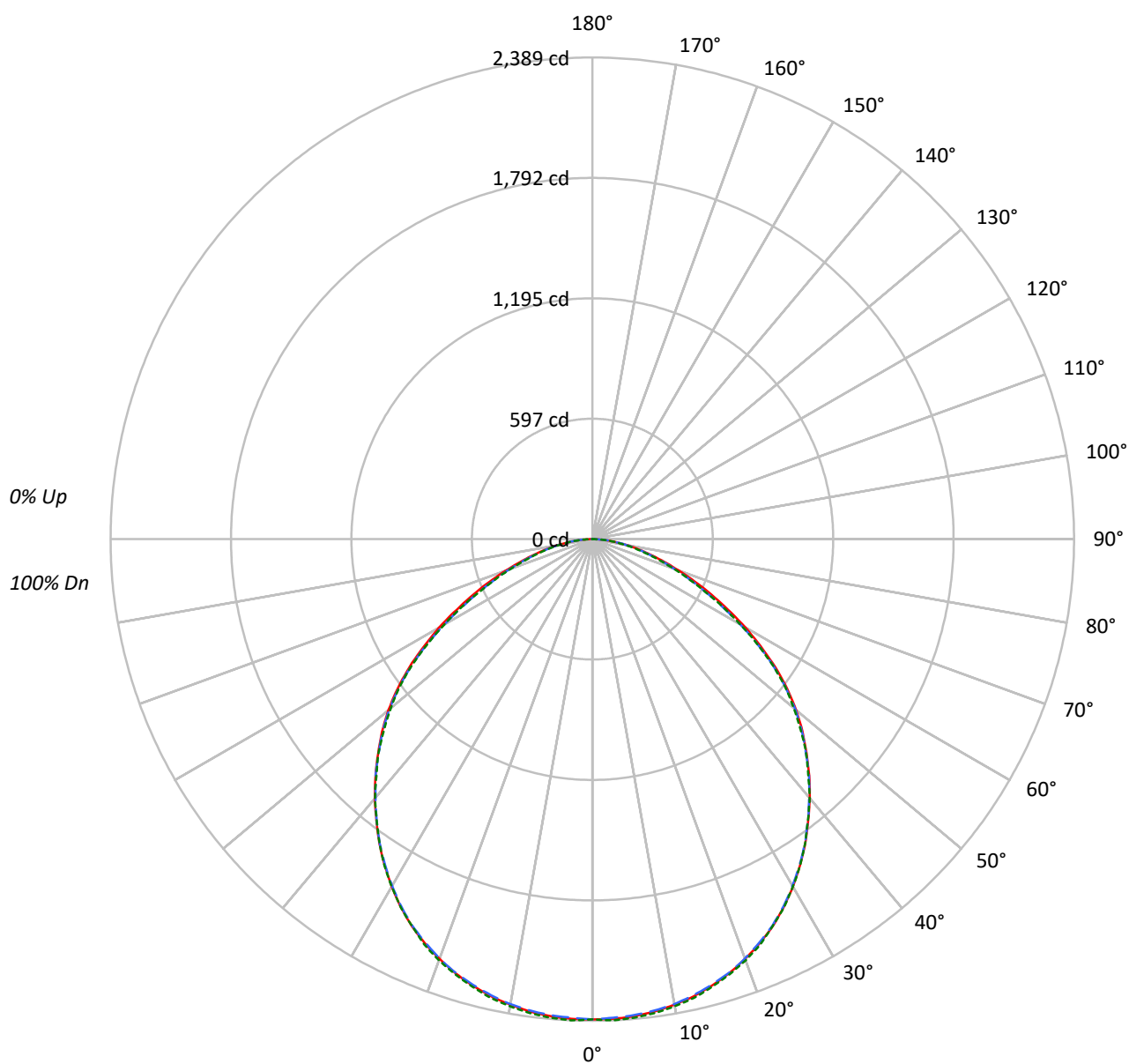
Lumens per Lamp: N/A
Luminaire Lumens: 6155.6 lumens
Efficiency: N/A
Efficacy: 120.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 51
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	100		
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72		
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61		
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46		
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36		
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3205	3205	3205
5°	3208	3201	3219
10°	3204	3199	3215
15°	3193	3187	3202
20°	3172	3170	3183
25°	3144	3139	3143
30°	3091	3085	3091
35°	3024	3020	3022
40°	2947	2937	2945
45°	2858	2850	2853
50°	2762	2749	2730
55°	2601	2570	2562
60°	2360	2281	2285
65°	2073	1969	1966
70°	1792	1711	1691
75°	1550	1493	1460
80°	1373	1354	1293
85°	1135	1173	1105

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 2868 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.9	3.7
10°-20°	647.3	10.5
20°-30°	974.5	15.8
30°-40°	1150.1	18.7
40°-50°	1156.7	18.8
50°-60°	976.5	15.9
60°-70°	627.1	10.2
70°-80°	311.9	5.1
80°-90°	85.5	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°	1847.7	30.0
0°-40°	2997.8	48.7
0°-60°	5131.1	83.4
0°-90°	6155.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6155.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2382	2382	2382	2382	2382	
5°	2376	2376	2370	2382	2383	226
15°	2293	2293	2288	2298	2298	647
25°	2118	2118	2114	2118	2117	974
35°	1841	1842	1838	1840	1840	1151
45°	1502	1507	1498	1500	1500	1159
55°	1109	1108	1096	1091	1092	986
65°	651	642	618	612	617	649
75°	298	297	287	284	281	323
85°	74	76	76	72	72	86
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2382.4	2382.4	2382.4	2382.4	2382.4
2.5°	2381.5	2382.4	2376.1	2387.5	2389.3
5°	2375.5	2376.1	2370.2	2381.5	2383.1
7.5°	2363.3	2364.2	2358.9	2369.2	2371.1
10°	2345.0	2347.9	2341.6	2351.3	2352.9
12.5°	2322.7	2323.7	2317.4	2328.7	2330.6
15°	2292.6	2293.2	2288.2	2298.5	2298.5
17.5°	2257.7	2258.6	2255.2	2264.0	2263.0
20°	2215.6	2218.1	2213.7	2219.7	2223.1
22.5°	2169.7	2170.6	2165.3	2173.2	2176.6
25°	2117.9	2118.5	2114.4	2118.5	2116.9
27.5°	2057.2	2058.8	2052.8	2057.2	2058.2
30°	1989.7	1994.1	1985.6	1989.0	1989.7
32.5°	1917.1	1919.6	1913.6	1914.6	1919.0
35°	1841.0	1842.0	1838.5	1840.1	1840.1
37.5°	1759.0	1762.5	1757.1	1759.6	1756.2
40°	1677.6	1674.2	1672.3	1674.2	1676.7
42.5°	1591.8	1592.8	1590.3	1588.4	1584.3
45°	1502.0	1507.3	1497.6	1499.5	1499.5
47.5°	1414.0	1414.6	1409.6	1404.3	1400.8
50°	1319.7	1319.7	1313.4	1309.4	1304.0
52.5°	1216.7	1215.1	1208.2	1203.8	1206.3
55°	1108.6	1107.6	1095.7	1091.3	1092.2
57.5°	990.1	992.0	973.8	969.4	969.4
60°	877.0	868.2	847.5	841.5	849.0
62.5°	758.2	747.8	725.5	725.5	731.5
65°	651.1	641.6	618.4	612.1	617.4
67.5°	550.8	542.0	520.7	517.2	518.8
70°	455.6	448.1	434.9	427.0	429.9
72.5°	373.6	366.7	357.9	351.9	348.5
75°	298.2	296.6	287.2	284.4	280.9
77.5°	236.0	235.4	227.5	224.0	220.6
80°	177.2	176.3	174.7	169.4	166.9
82.5°	126.3	126.3	125.4	121.0	118.5
85°	73.5	76.0	76.0	71.6	71.6
87.5°	29.5	31.1	29.5	29.5	28.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)