

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: P1050702

Luminaire Tested: 24PTR-60-PL1-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050702
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-60-PL1-L830-UNV-STD-W
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

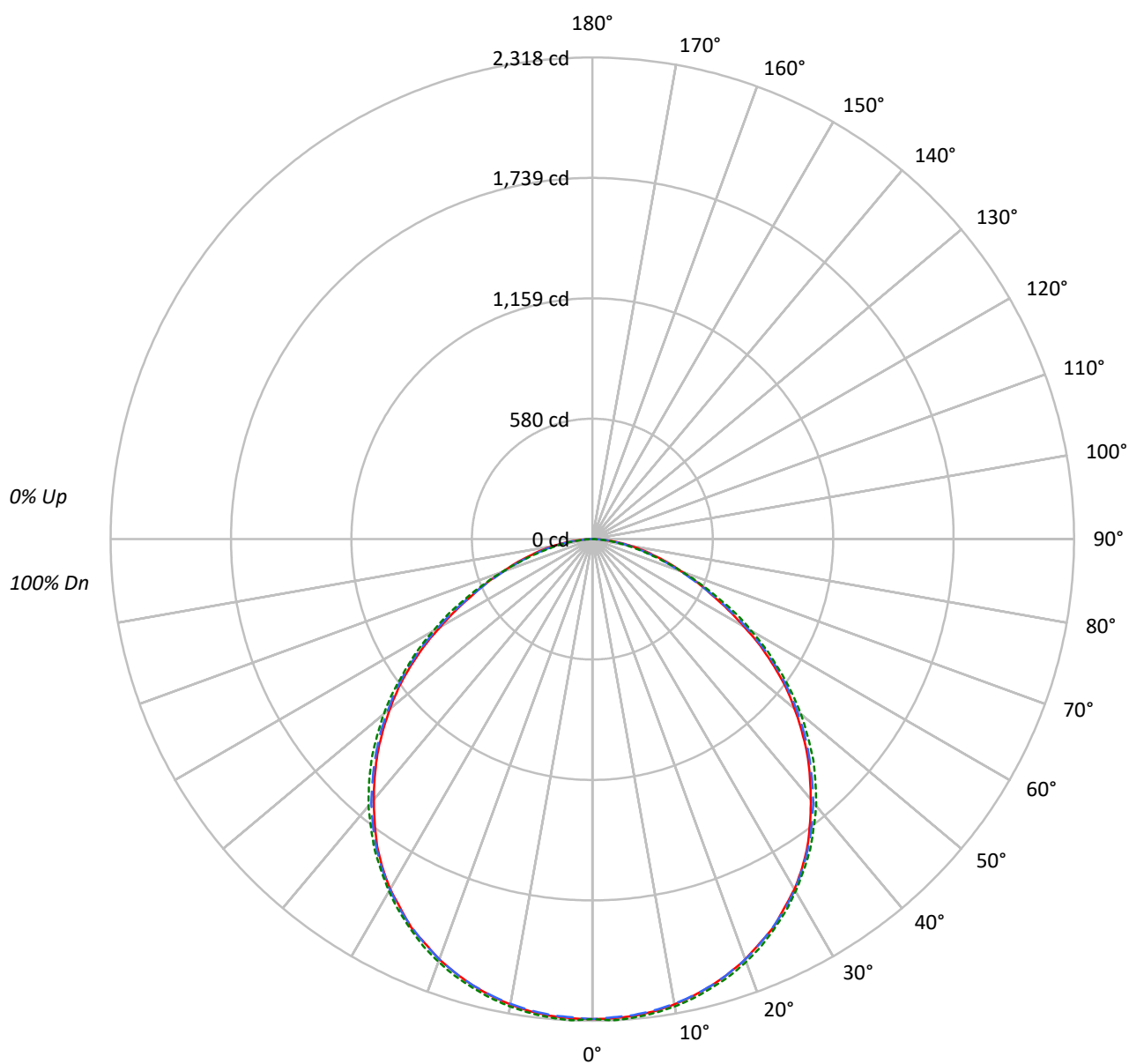
Lumens per Lamp: N/A
Luminaire Lumens: 6088.7 lumens
Efficiency: N/A
Efficacy: 119.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	87	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	63	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	55	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	48	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	42	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	34	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	30	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3108	3108	3108
5°	3110	3105	3122
10°	3107	3103	3121
15°	3097	3096	3111
20°	3082	3082	3099
25°	3061	3057	3073
30°	3022	3026	3041
35°	2965	2976	3000
40°	2872	2906	2943
45°	2783	2806	2860
50°	2660	2689	2742
55°	2506	2546	2576
60°	2273	2321	2379
65°	2019	2040	2123
70°	1805	1768	1812
75°	1628	1534	1503
80°	1479	1374	1219
85°	1254	1138	979

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 2860 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.1	3.6
10°-20°	628.4	10.3
20°-30°	950.6	15.6
30°-40°	1133.0	18.6
40°-50°	1139.3	18.7
50°-60°	967.0	15.9
60°-70°	643.8	10.6
70°-80°	321.5	5.3
80°-90°	86.0	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°	1798.1	29.5
0°-40°	2931.1	48.1
0°-60°	5037.4	82.7
0°-90°	6088.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6088.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2310	2310	2310	2310	2310	
5°	2303	2304	2299	2309	2311	219
15°	2223	2226	2222	2232	2234	627
25°	2062	2062	2059	2069	2070	948
35°	1805	1807	1812	1824	1826	1126
45°	1462	1465	1475	1494	1503	1125
55°	1068	1076	1085	1096	1098	952
65°	634	639	641	650	667	636
75°	313	309	295	288	289	336
85°	81	80	74	69	63	94
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2309.9	2309.9	2309.9	2309.9	2309.9
2.5°	2308.0	2309.9	2303.6	2314.8	2317.6
5°	2303.0	2303.6	2298.7	2308.9	2311.4
7.5°	2291.8	2292.8	2287.5	2298.7	2300.2
10°	2273.8	2275.7	2271.3	2281.6	2284.1
12.5°	2250.8	2253.3	2248.9	2260.1	2262.0
15°	2223.4	2225.9	2222.5	2231.8	2233.7
17.5°	2189.8	2191.7	2189.8	2198.5	2203.5
20°	2152.2	2152.2	2152.2	2160.0	2164.3
22.5°	2105.2	2109.6	2107.7	2118.0	2122.3
25°	2061.7	2061.7	2058.9	2068.6	2070.1
27.5°	2000.8	2007.6	2007.0	2015.4	2017.2
30°	1945.1	1947.0	1947.9	1953.8	1957.2
32.5°	1877.6	1879.2	1882.0	1890.4	1891.3
35°	1804.9	1806.7	1811.7	1824.4	1826.3
37.5°	1720.3	1729.6	1734.0	1747.6	1749.2
40°	1635.4	1641.3	1654.3	1668.6	1675.5
42.5°	1548.9	1555.8	1563.5	1583.1	1589.4
45°	1462.5	1465.0	1474.6	1494.2	1502.9
47.5°	1366.7	1374.5	1382.9	1400.0	1405.3
50°	1270.9	1279.3	1284.6	1299.8	1310.1
52.5°	1174.2	1182.0	1187.9	1197.2	1207.5
55°	1068.2	1075.6	1085.3	1095.5	1098.0
57.5°	960.3	968.7	974.9	985.8	997.0
60°	844.6	854.2	862.6	872.9	884.1
62.5°	737.0	741.0	749.7	766.8	783.0
65°	634.1	639.3	640.9	650.5	666.7
67.5°	548.5	548.5	540.8	544.2	562.2
70°	458.7	455.3	449.3	445.9	460.5
72.5°	385.9	381.6	368.8	362.9	370.7
75°	313.1	308.8	295.1	288.3	289.2
77.5°	251.6	244.7	233.5	221.7	219.2
80°	190.9	188.1	177.3	166.1	157.3
82.5°	135.3	129.4	123.1	116.3	109.5
85°	81.2	79.6	73.7	69.3	63.4
87.5°	33.3	33.3	31.7	29.9	28.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)