

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: P1050933

Luminaire Tested: 24PTR-60-PR1-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050933
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-60-PR1-L830-UNV-STD-W
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

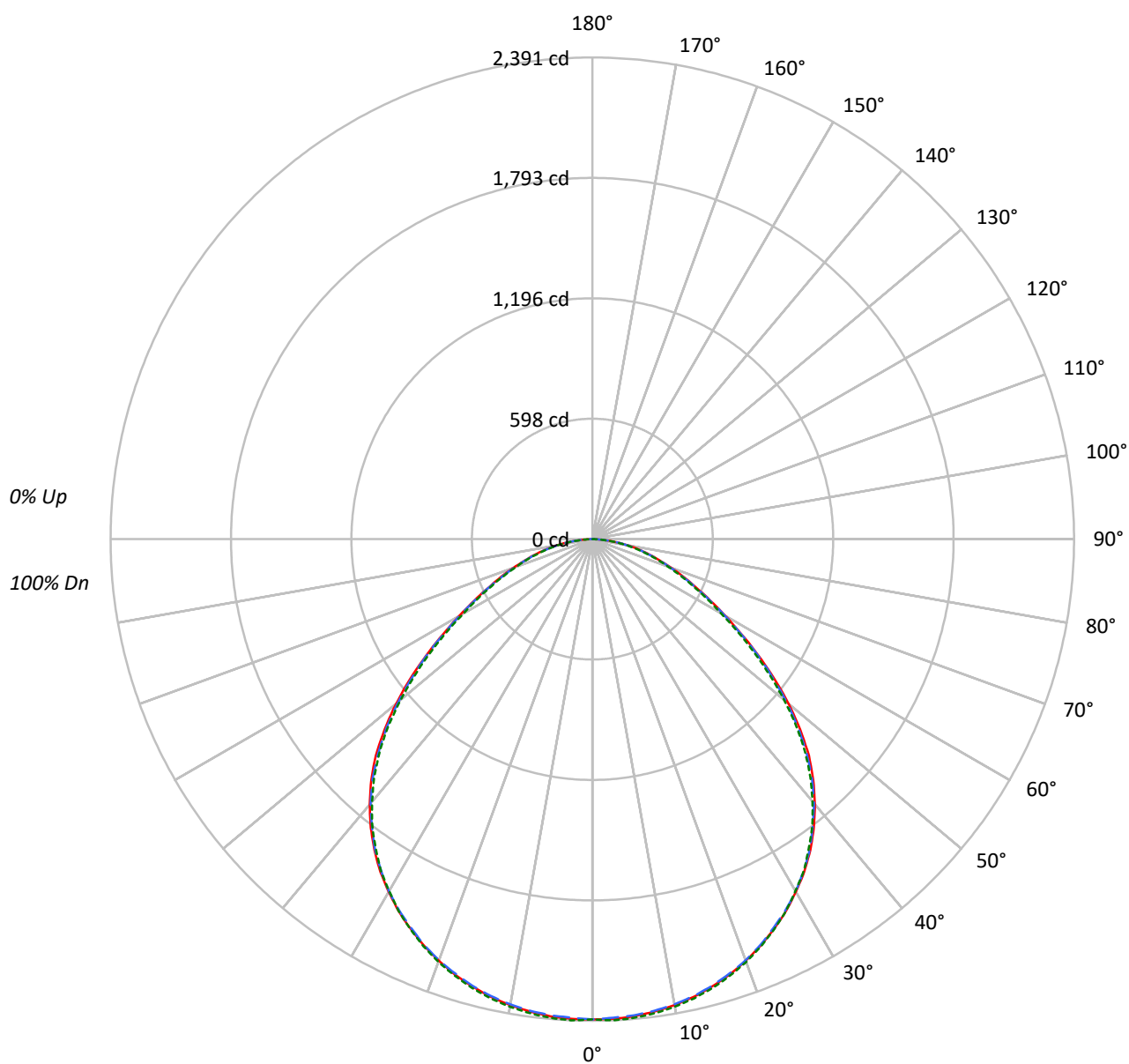
Lumens per Lamp: N/A
Luminaire Lumens: 6030.5 lumens
Efficiency: N/A
Efficacy: 118.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3208	3208	3208
5°	3211	3204	3222
10°	3209	3203	3221
15°	3203	3198	3213
20°	3189	3185	3198
25°	3169	3161	3172
30°	3140	3136	3133
35°	3097	3090	3077
40°	3019	3007	2986
45°	2893	2860	2840
50°	2662	2632	2599
55°	2356	2346	2300
60°	2047	2040	1985
65°	1804	1793	1758
70°	1637	1614	1581
75°	1516	1481	1453
80°	1384	1364	1319
85°	1093	1084	1041

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2893 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.2	3.8
10°-20°	649.2	10.8
20°-30°	983.5	16.3
30°-40°	1174.1	19.5
40°-50°	1154.7	19.1
50°-60°	892.4	14.8
60°-70°	562.7	9.3
70°-80°	304.4	5.0
80°-90°	83.1	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°	1859.0	30.8
0°-40°	3033.1	50.3
0°-60°	5080.2	84.2
0°-90°	6030.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6030.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2384	2384	2384	2384	2384	
5°	2378	2379	2372	2383	2386	226
15°	2299	2300	2296	2303	2307	649
25°	2134	2136	2129	2136	2137	984
35°	1886	1886	1881	1879	1873	1177
45°	1520	1514	1503	1492	1492	1164
55°	1004	1013	1000	984	980	901
65°	567	568	563	554	552	570
75°	292	288	285	286	280	310
85°	71	72	70	71	67	84
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2384.5	2384.5	2384.5	2384.5	2384.5
2.5°	2383.6	2384.5	2377.7	2388.9	2391.4
5°	2377.7	2378.6	2372.4	2382.7	2385.5
7.5°	2365.6	2367.5	2361.6	2371.8	2374.3
10°	2348.5	2350.4	2344.5	2354.7	2357.2
12.5°	2327.4	2328.0	2323.1	2332.4	2334.9
15°	2299.2	2299.8	2295.7	2303.2	2306.6
17.5°	2266.5	2267.5	2261.6	2270.9	2272.4
20°	2227.4	2228.0	2224.6	2232.4	2233.3
22.5°	2183.6	2185.5	2180.2	2187.1	2188.0
25°	2134.3	2135.8	2129.0	2135.8	2136.7
27.5°	2082.1	2082.7	2076.8	2082.1	2081.2
30°	2021.2	2026.5	2018.7	2016.9	2016.3
32.5°	1958.2	1958.8	1951.4	1949.5	1952.9
35°	1885.5	1886.1	1881.2	1878.7	1873.4
37.5°	1806.0	1806.0	1796.4	1794.9	1793.9
40°	1718.8	1717.8	1711.9	1706.0	1699.8
42.5°	1623.8	1625.6	1613.5	1603.3	1601.7
45°	1520.3	1514.4	1503.3	1491.5	1492.4
47.5°	1398.3	1399.9	1384.6	1375.0	1372.5
50°	1271.6	1271.6	1257.3	1247.1	1241.8
52.5°	1139.3	1140.3	1126.6	1112.9	1110.1
55°	1004.2	1012.6	999.9	983.8	980.3
57.5°	877.9	884.7	872.6	855.5	854.6
60°	760.8	761.4	758.0	741.9	737.5
62.5°	660.8	656.5	654.6	646.2	640.9
65°	566.7	567.6	563.3	553.7	552.1
67.5°	490.6	489.7	481.9	476.0	472.6
70°	416.1	413.6	410.2	405.2	401.8
72.5°	349.7	349.7	346.9	345.3	339.4
75°	291.6	288.2	284.8	286.3	279.5
77.5°	236.0	232.6	229.8	226.4	224.8
80°	178.6	175.1	176.1	170.8	170.2
82.5°	123.9	123.9	122.3	118.0	118.9
85°	70.8	71.7	70.2	70.8	67.4
87.5°	25.8	26.4	28.3	26.4	26.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)