

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: P1050977

Luminaire Tested: 24PTR-60-PR1-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050977
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-L930-UNV-STD-W
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

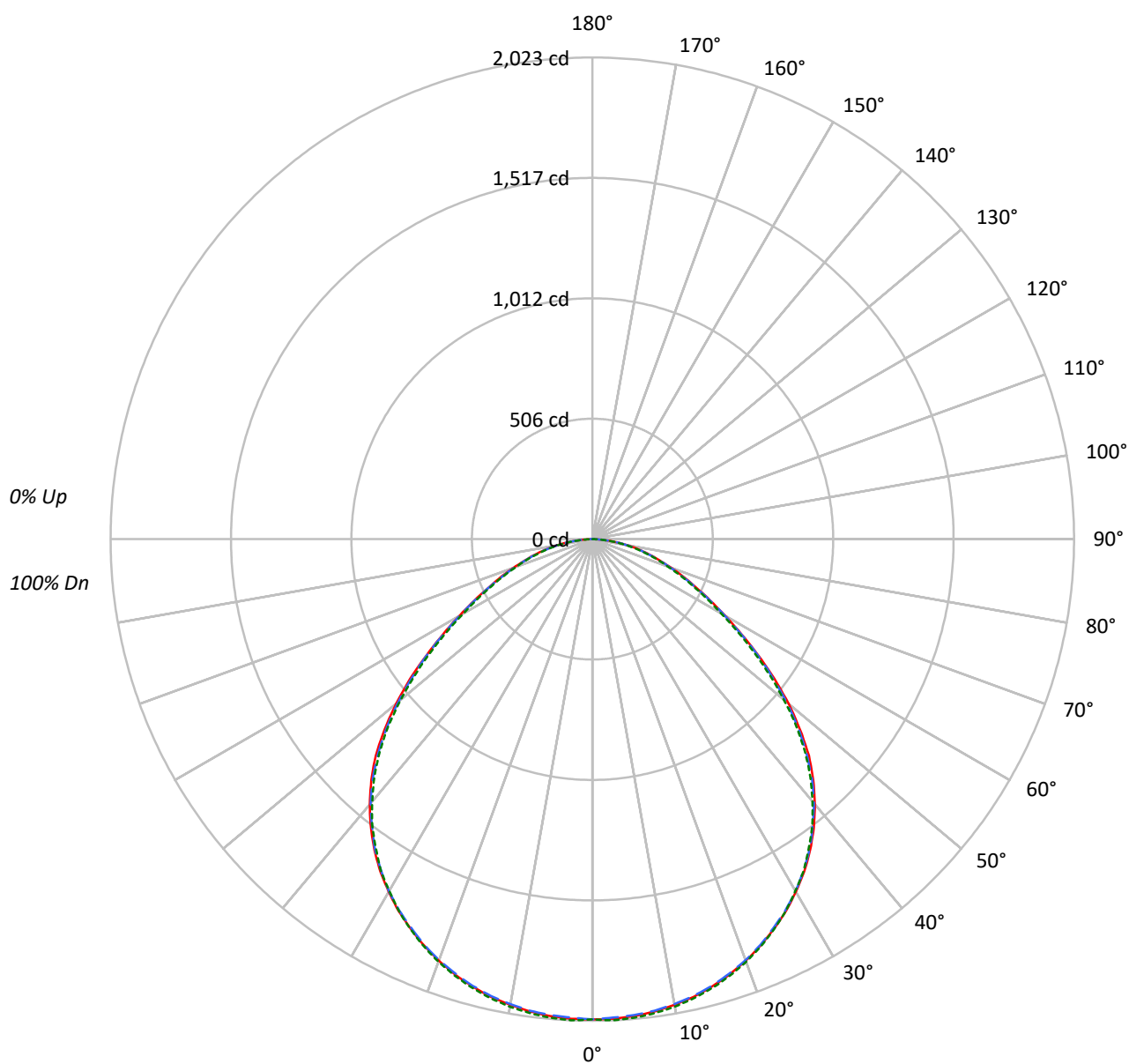
Lumens per Lamp: N/A
Luminaire Lumens: 5101.2 lumens
Efficiency: N/A
Efficacy: 100.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	2714	2714	2714
5°	2717	2711	2725
10°	2714	2710	2724
15°	2709	2705	2718
20°	2698	2694	2705
25°	2680	2674	2683
30°	2656	2653	2650
35°	2620	2614	2603
40°	2554	2543	2526
45°	2447	2420	2402
50°	2252	2226	2199
55°	1993	1984	1945
60°	1732	1725	1679
65°	1526	1517	1487
70°	1385	1365	1337
75°	1282	1252	1229
80°	1170	1154	1115
85°	925	917	880

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2447 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.3	3.8
10°-20°	549.2	10.8
20°-30°	832.0	16.3
30°-40°	993.2	19.5
40°-50°	976.7	19.1
50°-60°	754.9	14.8
60°-70°	476.0	9.3
70°-80°	257.5	5.0
80°-90°	70.3	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°	1572.5	30.8
0°-40°	2565.7	50.3
0°-60°	4297.4	84.2
0°-90°	5101.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5101.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2017	2017	2017	2017	2017	
5°	2011	2012	2007	2016	2018	191
15°	1945	1945	1942	1948	1951	549
25°	1805	1807	1801	1807	1808	832
35°	1595	1596	1591	1589	1585	996
45°	1286	1281	1272	1262	1262	985
55°	850	857	846	832	829	762
65°	479	480	476	468	467	482
75°	247	244	241	242	236	262
85°	60	61	59	60	57	71
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2017.1	2017.1	2017.1	2017.1	2017.1
2.5°	2016.3	2017.1	2011.3	2020.8	2022.9
5°	2011.3	2012.1	2006.9	2015.5	2017.9
7.5°	2001.1	2002.7	1997.7	2006.3	2008.4
10°	1986.6	1988.2	1983.2	1991.9	1994.0
12.5°	1968.8	1969.3	1965.1	1973.0	1975.1
15°	1944.9	1945.4	1942.0	1948.3	1951.2
17.5°	1917.3	1918.1	1913.1	1921.0	1922.3
20°	1884.2	1884.7	1881.8	1888.4	1889.2
22.5°	1847.2	1848.7	1844.3	1850.0	1850.8
25°	1805.4	1806.7	1800.9	1806.7	1807.5
27.5°	1761.3	1761.8	1756.8	1761.3	1760.5
30°	1709.8	1714.2	1707.7	1706.1	1705.6
32.5°	1656.4	1657.0	1650.7	1649.1	1652.0
35°	1595.0	1595.5	1591.3	1589.2	1584.7
37.5°	1527.7	1527.7	1519.6	1518.3	1517.5
40°	1453.9	1453.1	1448.1	1443.2	1437.9
42.5°	1373.5	1375.1	1364.9	1356.2	1354.9
45°	1286.1	1281.1	1271.6	1261.6	1262.4
47.5°	1182.8	1184.2	1171.3	1163.1	1161.0
50°	1075.7	1075.7	1063.6	1054.9	1050.4
52.5°	963.8	964.6	953.0	941.4	939.1
55°	849.5	856.6	845.8	832.2	829.3
57.5°	742.6	748.4	738.1	723.7	722.9
60°	643.6	644.1	641.2	627.5	623.9
62.5°	559.0	555.3	553.7	546.6	542.2
65°	479.4	480.2	476.5	468.4	467.0
67.5°	415.0	414.2	407.7	402.7	399.8
70°	352.0	349.9	347.0	342.8	339.9
72.5°	295.8	295.8	293.4	292.1	287.1
75°	246.7	243.8	240.9	242.2	236.4
77.5°	199.6	196.7	194.4	191.5	190.2
80°	151.0	148.2	148.9	144.5	143.9
82.5°	104.8	104.8	103.5	99.8	100.6
85°	59.9	60.7	59.4	59.9	57.0
87.5°	21.8	22.3	23.9	22.3	22.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)