

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: P1050900

Luminaire Tested: 24PTR-60-PP3-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050900
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-L930-UNV-STD-W
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

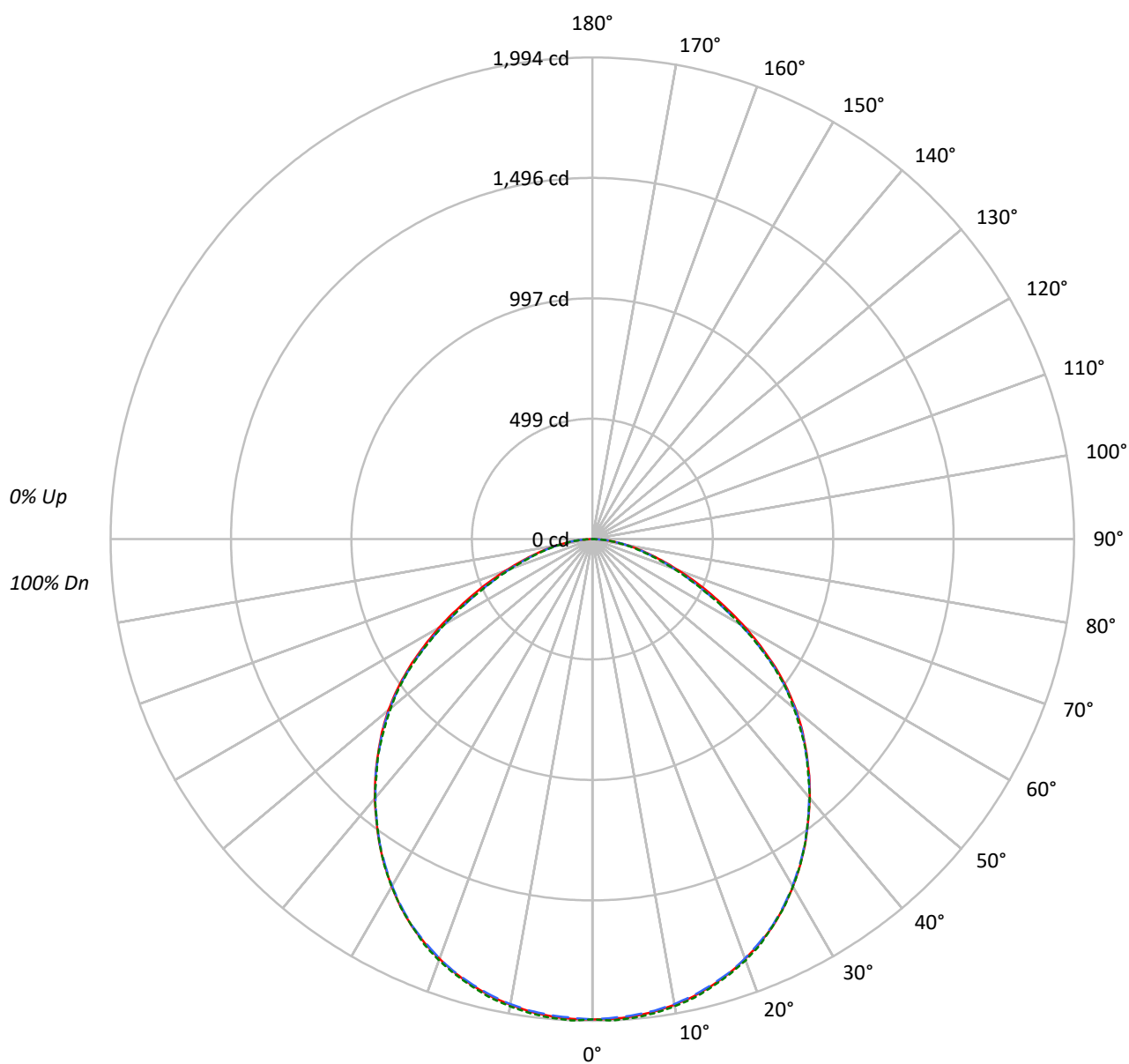
Lumens per Lamp: N/A
Luminaire Lumens: 5138.1 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	2676	2676	2676
5°	2678	2672	2687
10°	2674	2670	2683
15°	2666	2660	2673
20°	2648	2646	2657
25°	2624	2620	2623
30°	2580	2575	2580
35°	2524	2521	2523
40°	2460	2452	2458
45°	2386	2379	2382
50°	2306	2295	2278
55°	2171	2145	2139
60°	1970	1904	1907
65°	1730	1643	1641
70°	1496	1428	1412
75°	1294	1246	1219
80°	1146	1130	1079
85°	948	980	923

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 2394 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.6	3.7
10°-20°	540.3	10.5
20°-30°	813.4	15.8
30°-40°	960.0	18.7
40°-50°	965.5	18.8
50°-60°	815.1	15.9
60°-70°	523.5	10.2
70°-80°	260.4	5.1
80°-90°	71.4	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°	1542.3	30.0
0°-40°	2502.3	48.7
0°-60°	4282.9	83.4
0°-90°	5138.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5138.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1989	1989	1989	1989	1989	
5°	1983	1983	1978	1988	1989	188
15°	1914	1914	1910	1919	1919	540
25°	1768	1768	1765	1768	1767	813
35°	1537	1538	1535	1536	1536	960
45°	1254	1258	1250	1252	1252	968
55°	925	924	915	911	912	823
65°	543	536	516	511	515	542
75°	249	248	240	237	234	269
85°	61	64	64	60	60	72
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1988.6	1988.6	1988.6	1988.6	1988.6
2.5°	1987.8	1988.6	1983.4	1992.8	1994.4
5°	1982.8	1983.4	1978.4	1987.8	1989.1
7.5°	1972.6	1973.4	1968.9	1977.6	1979.2
10°	1957.4	1959.8	1954.5	1962.6	1964.0
12.5°	1938.8	1939.6	1934.3	1943.8	1945.3
15°	1913.6	1914.1	1909.9	1918.6	1918.6
17.5°	1884.5	1885.3	1882.4	1889.7	1888.9
20°	1849.3	1851.4	1847.8	1852.8	1855.6
22.5°	1811.0	1811.8	1807.4	1813.9	1816.8
25°	1767.8	1768.3	1764.9	1768.3	1767.0
27.5°	1717.2	1718.5	1713.5	1717.2	1717.9
30°	1660.8	1664.4	1657.4	1660.2	1660.8
32.5°	1600.2	1602.3	1597.3	1598.1	1601.7
35°	1536.7	1537.5	1534.6	1535.9	1535.9
37.5°	1468.2	1471.1	1466.7	1468.8	1465.9
40°	1400.3	1397.4	1395.9	1397.4	1399.5
42.5°	1328.7	1329.5	1327.4	1325.8	1322.4
45°	1253.7	1258.2	1250.0	1251.6	1251.6
47.5°	1180.3	1180.8	1176.6	1172.1	1169.2
50°	1101.6	1101.6	1096.3	1092.9	1088.5
52.5°	1015.6	1014.2	1008.5	1004.8	1006.9
55°	925.3	924.5	914.6	910.9	911.7
57.5°	826.4	828.0	812.8	809.1	809.1
60°	732.0	724.7	707.4	702.4	708.7
62.5°	632.9	624.2	605.6	605.6	610.6
65°	543.4	535.6	516.2	510.9	515.4
67.5°	459.8	452.4	434.6	431.7	433.0
70°	380.3	374.0	363.0	356.4	358.8
72.5°	311.9	306.1	298.7	293.8	290.9
75°	248.9	247.6	239.7	237.4	234.5
77.5°	197.0	196.4	189.9	187.0	184.1
80°	147.9	147.1	145.8	141.4	139.3
82.5°	105.4	105.4	104.7	101.0	98.9
85°	61.4	63.5	63.5	59.8	59.8
87.5°	24.7	26.0	24.7	24.7	23.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)