

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: P1046868

Luminaire Tested: 22PTR-50-PLG-L930-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046868
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-50-PLG-L930-UNV-STD-W
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

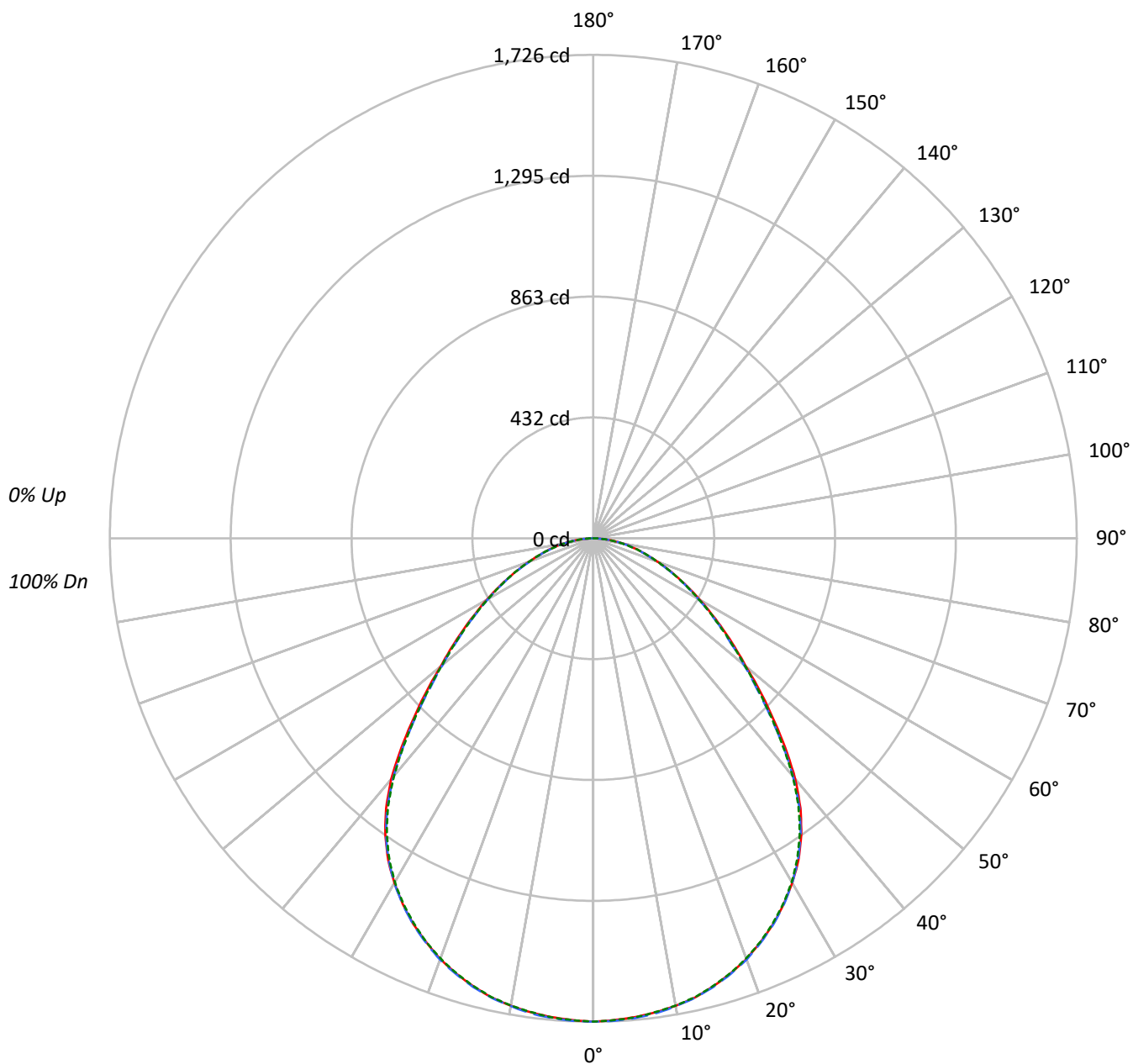
Lumens per Lamp: N/A
Luminaire Lumens: 3888.5 lumens
Efficiency: N/A
Efficacy: 99.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 39
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

TEST NUMBER: P1046868

CATALOG NUMBER: 22PTR-50-PLG-L930-UNV-STD-W

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	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86		
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74		
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64		
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56		
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49		
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43		
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39		
8	64	51	43	38	62	51	43	38	49	42	37	48	42	37	47	41	37	35		
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32		
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	Luminous shape not found, reference photometric report, or contact the photometric lab for calculations.		
5°			
10°			
15°			
20°			
25°			
30°			
35°			
40°			
45°			
50°			
55°			
60°			
65°			
70°			
75°			
80°			
85°			

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1046868

CATALOG NUMBER: 22PTR-50-PLG-L930-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.4	4.2
10°-20°	467.5	12.0
20°-30°	699.5	18.0
30°-40°	801.4	20.6
40°-50°	693.2	17.8
50°-60°	501.7	12.9
60°-70°	330.4	8.5
70°-80°	179.9	4.6
80°-90°	51.5	1.3
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°	1330.4	34.2
0°-40°	2131.9	54.8
0°-60°	3326.7	85.6
0°-90°	3888.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3888.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1726	1726	1726	1726	1726	
5°	1716	1720	1720	1720	1717	163
15°	1656	1657	1658	1661	1655	467
25°	1520	1520	1521	1522	1516	699
35°	1295	1293	1291	1290	1285	804
45°	905	903	890	889	894	701
55°	563	561	555	551	556	507
65°	333	336	331	328	332	333
75°	170	170	168	168	170	181
85°	45	45	45	46	40	52
90°	0	0	0	0	0	

TEST NUMBER: P1046868

CATALOG NUMBER: 22PTR-50-PLG-L930-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1725.7	1725.7	1725.7	1725.7	1725.7
2.5°	1722.0	1725.7	1724.5	1725.7	1722.0
5°	1715.9	1719.6	1719.6	1719.6	1717.1
7.5°	1707.3	1709.8	1711.0	1712.2	1706.1
10°	1695.1	1697.5	1696.3	1698.7	1693.8
12.5°	1679.2	1679.2	1680.4	1682.8	1677.9
15°	1655.9	1657.1	1658.3	1660.8	1654.7
17.5°	1628.9	1630.2	1631.4	1632.6	1627.7
20°	1598.3	1598.3	1600.8	1602.0	1595.9
22.5°	1560.3	1560.3	1562.8	1566.5	1559.1
25°	1519.9	1519.9	1521.2	1522.4	1516.3
27.5°	1472.2	1472.2	1473.4	1477.1	1469.7
30°	1420.7	1419.5	1420.7	1422.0	1417.1
32.5°	1363.2	1361.9	1360.7	1361.9	1355.8
35°	1294.6	1293.4	1290.9	1289.7	1284.8
37.5°	1215.0	1212.5	1207.6	1207.6	1202.7
40°	1121.9	1115.8	1109.6	1107.2	1106.0
42.5°	1014.1	1009.2	1000.6	999.4	999.4
45°	905.1	902.7	890.4	889.2	894.1
47.5°	807.1	801.0	790.0	787.5	794.9
50°	710.4	711.6	701.8	698.1	705.5
52.5°	634.4	632.0	623.4	621.0	627.1
55°	563.4	560.9	554.8	551.1	556.0
57.5°	498.5	497.3	491.1	489.9	492.4
60°	439.7	438.5	433.6	432.3	433.6
62.5°	384.6	384.6	379.7	377.2	380.9
65°	333.1	335.6	330.7	328.2	331.9
67.5°	286.6	289.0	284.1	281.7	286.6
70°	242.5	245.0	240.1	237.6	242.5
72.5°	204.5	205.8	202.1	200.9	207.0
75°	170.2	170.2	167.8	167.8	170.2
77.5°	138.4	137.2	135.9	135.9	133.5
80°	106.6	105.3	105.3	105.3	101.7
82.5°	75.9	73.5	74.7	75.9	69.8
85°	45.3	45.3	45.3	46.5	40.4
87.5°	18.4	18.4	17.1	18.4	15.9
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)