

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: P1046873

Luminaire Tested: 22PTR-50-PLG-L935-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046873
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-L935-UNV-STD-W
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

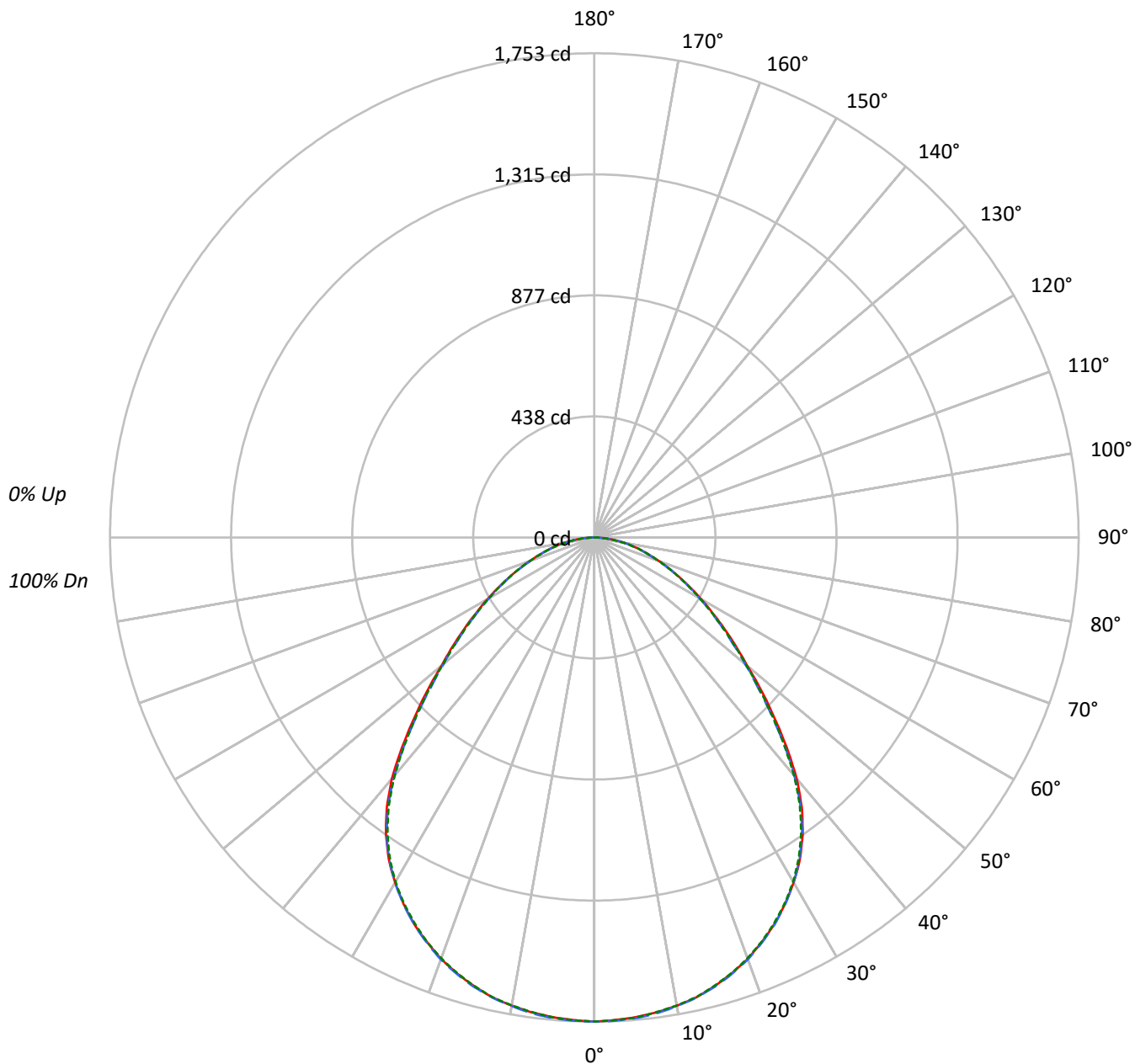
Lumens per Lamp: N/A
Luminaire Lumens: 3949.6 lumens
Efficiency: N/A
Efficacy: 101.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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

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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	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: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.9	4.2
10°-20°	474.8	12.0
20°-30°	710.5	18.0
30°-40°	814.0	20.6
40°-50°	704.0	17.8
50°-60°	509.5	12.9
60°-70°	335.6	8.5
70°-80°	182.7	4.6
80°-90°	52.4	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°	1351.3	34.2
0°-40°	2165.3	54.8
0°-60°	3378.9	85.6
0°-90°	3949.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3949.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1753	1753	1753	1753	1753	
5°	1743	1747	1747	1747	1744	166
15°	1682	1683	1684	1687	1681	474
25°	1544	1544	1545	1546	1540	710
35°	1315	1314	1311	1310	1305	817
45°	919	917	904	903	908	712
55°	572	570	564	560	565	515
65°	338	341	336	333	337	338
75°	173	173	170	170	173	184
85°	46	46	46	47	41	53
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1752.8	1752.8	1752.8	1752.8	1752.8
2.5°	1749.1	1752.8	1751.6	1752.8	1749.1
5°	1742.9	1746.6	1746.6	1746.6	1744.1
7.5°	1734.1	1736.6	1737.9	1739.1	1732.9
10°	1721.7	1724.2	1722.9	1725.4	1720.5
12.5°	1705.5	1705.5	1706.8	1709.3	1704.3
15°	1681.9	1683.1	1684.4	1686.9	1680.7
17.5°	1654.5	1655.8	1657.0	1658.3	1653.3
20°	1623.4	1623.4	1625.9	1627.2	1620.9
22.5°	1584.9	1584.9	1587.4	1591.1	1583.6
25°	1543.8	1543.8	1545.1	1546.3	1540.1
27.5°	1495.3	1495.3	1496.5	1500.3	1492.8
30°	1443.0	1441.8	1443.0	1444.3	1439.3
32.5°	1384.6	1383.3	1382.1	1383.3	1377.1
35°	1314.9	1313.7	1311.2	1309.9	1305.0
37.5°	1234.1	1231.6	1226.6	1226.6	1221.6
40°	1139.5	1133.3	1127.1	1124.6	1123.3
42.5°	1030.0	1025.1	1016.4	1015.1	1015.1
45°	919.3	916.8	904.4	903.1	908.1
47.5°	819.8	813.6	802.4	799.9	807.4
50°	721.5	722.8	712.8	709.1	716.5
52.5°	644.4	641.9	633.2	630.7	636.9
55°	572.2	569.8	563.5	559.8	564.8
57.5°	506.3	505.1	498.8	497.6	500.1
60°	446.6	445.4	440.4	439.1	440.4
62.5°	390.6	390.6	385.6	383.2	386.9
65°	338.4	340.9	335.9	333.4	337.1
67.5°	291.1	293.6	288.6	286.1	291.1
70°	246.3	248.8	243.8	241.3	246.3
72.5°	207.7	209.0	205.3	204.0	210.2
75°	172.9	172.9	170.4	170.4	172.9
77.5°	140.6	139.3	138.1	138.1	135.6
80°	108.2	107.0	107.0	107.0	103.3
82.5°	77.1	74.6	75.9	77.1	70.9
85°	46.0	46.0	46.0	47.3	41.1
87.5°	18.7	18.7	17.4	18.7	16.2
90°	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)