

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: P1046878

Luminaire Tested: 22PTR-50-PLG-L940-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046878
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-L940-UNV-STD-W
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

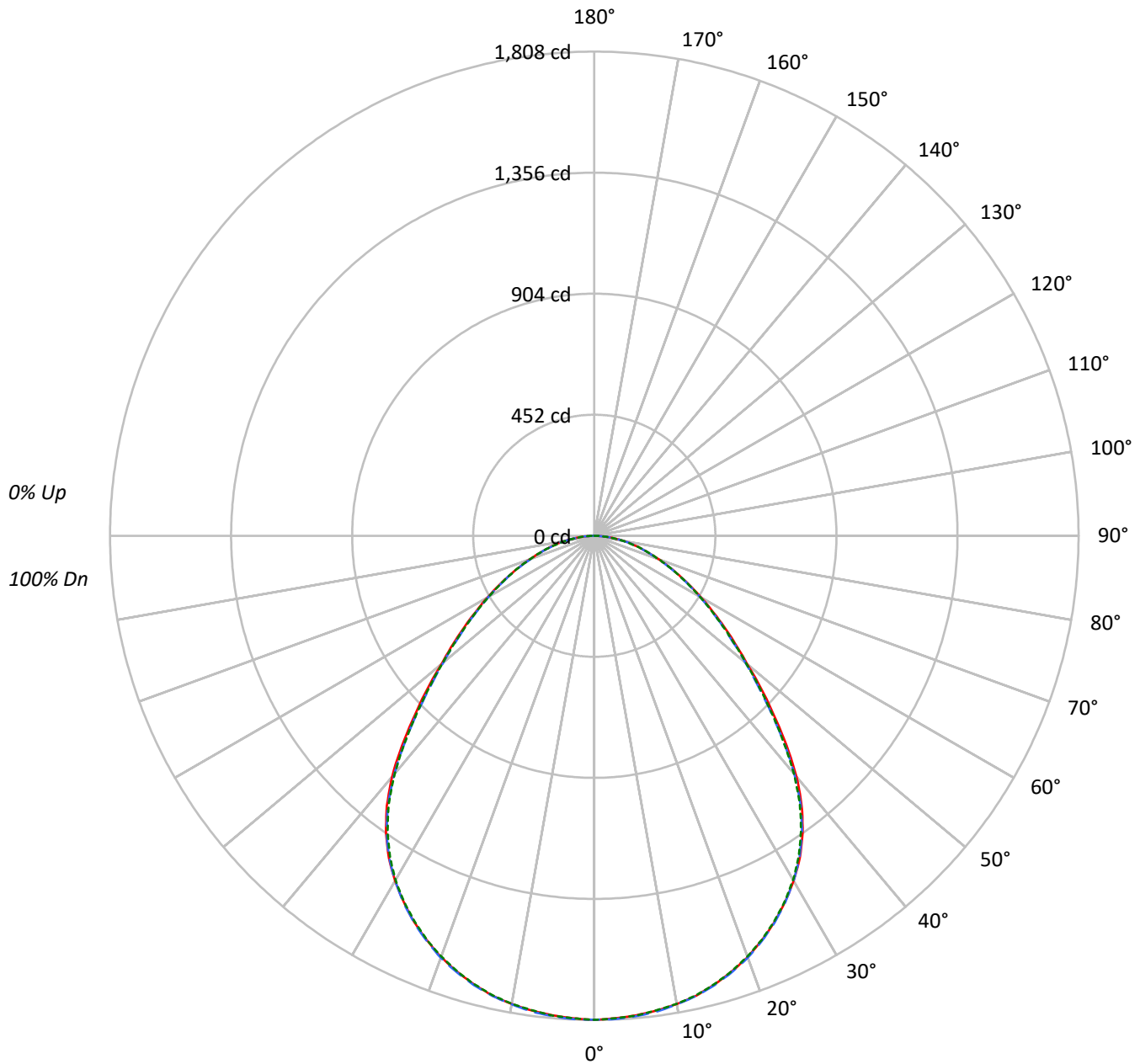
Lumens per Lamp: N/A
Luminaire Lumens: 4072.7 lumens
Efficiency: N/A
Efficacy: 104.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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°	171.1	4.2
10°-20°	489.7	12.0
20°-30°	732.7	18.0
30°-40°	839.4	20.6
40°-50°	726.0	17.8
50°-60°	525.4	12.9
60°-70°	346.1	8.5
70°-80°	188.4	4.6
80°-90°	54.0	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°	1393.4	34.2
0°-40°	2232.8	54.8
0°-60°	3484.2	85.6
0°-90°	4072.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4072.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1808	1808	1808	1808	1808	
5°	1797	1801	1801	1801	1798	171
15°	1734	1736	1737	1740	1733	489
25°	1592	1592	1593	1594	1588	732
35°	1356	1355	1352	1351	1346	842
45°	948	945	933	931	936	734
55°	590	588	581	577	582	531
65°	349	352	346	344	348	348
75°	178	178	176	176	178	190
85°	48	48	48	49	42	55
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1807.5	1807.5	1807.5	1807.5	1807.5
2.5°	1803.6	1807.5	1806.2	1807.5	1803.6
5°	1797.2	1801.0	1801.0	1801.0	1798.5
7.5°	1788.2	1790.8	1792.1	1793.3	1786.9
10°	1775.4	1777.9	1776.7	1779.2	1774.1
12.5°	1758.7	1758.7	1760.0	1762.6	1757.4
15°	1734.3	1735.6	1736.9	1739.5	1733.0
17.5°	1706.1	1707.4	1708.7	1710.0	1704.8
20°	1674.0	1674.0	1676.6	1677.9	1671.5
22.5°	1634.3	1634.3	1636.8	1640.7	1633.0
25°	1591.9	1591.9	1593.2	1594.5	1588.1
27.5°	1541.9	1541.9	1543.2	1547.0	1539.3
30°	1488.0	1486.8	1488.0	1489.3	1484.2
32.5°	1427.7	1426.5	1425.2	1426.5	1420.0
35°	1355.9	1354.6	1352.1	1350.8	1345.6
37.5°	1272.5	1270.0	1264.8	1264.8	1259.7
40°	1175.0	1168.6	1162.2	1159.6	1158.4
42.5°	1062.2	1057.0	1048.0	1046.8	1046.8
45°	948.0	945.4	932.6	931.3	936.4
47.5°	845.4	838.9	827.4	824.8	832.5
50°	744.0	745.3	735.0	731.2	738.9
52.5°	664.5	661.9	652.9	650.4	656.8
55°	590.1	587.5	581.1	577.3	582.4
57.5°	522.1	520.8	514.4	513.1	515.7
60°	460.5	459.2	454.1	452.8	454.1
62.5°	402.8	402.8	397.7	395.1	398.9
65°	348.9	351.5	346.4	343.8	347.6
67.5°	300.2	302.7	297.6	295.0	300.2
70°	254.0	256.6	251.4	248.9	254.0
72.5°	214.2	215.5	211.7	210.4	216.8
75°	178.3	178.3	175.7	175.7	178.3
77.5°	145.0	143.7	142.4	142.4	139.8
80°	111.6	110.3	110.3	110.3	106.5
82.5°	79.5	77.0	78.3	79.5	73.1
85°	47.5	47.5	47.5	48.7	42.3
87.5°	19.2	19.2	18.0	19.2	16.7
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°



(END OF REPORT)