

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: P1046957

Luminaire Tested: 22PTR-50-PR1-L935-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046957
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-50-PR1-L935-UNV-STD-W
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

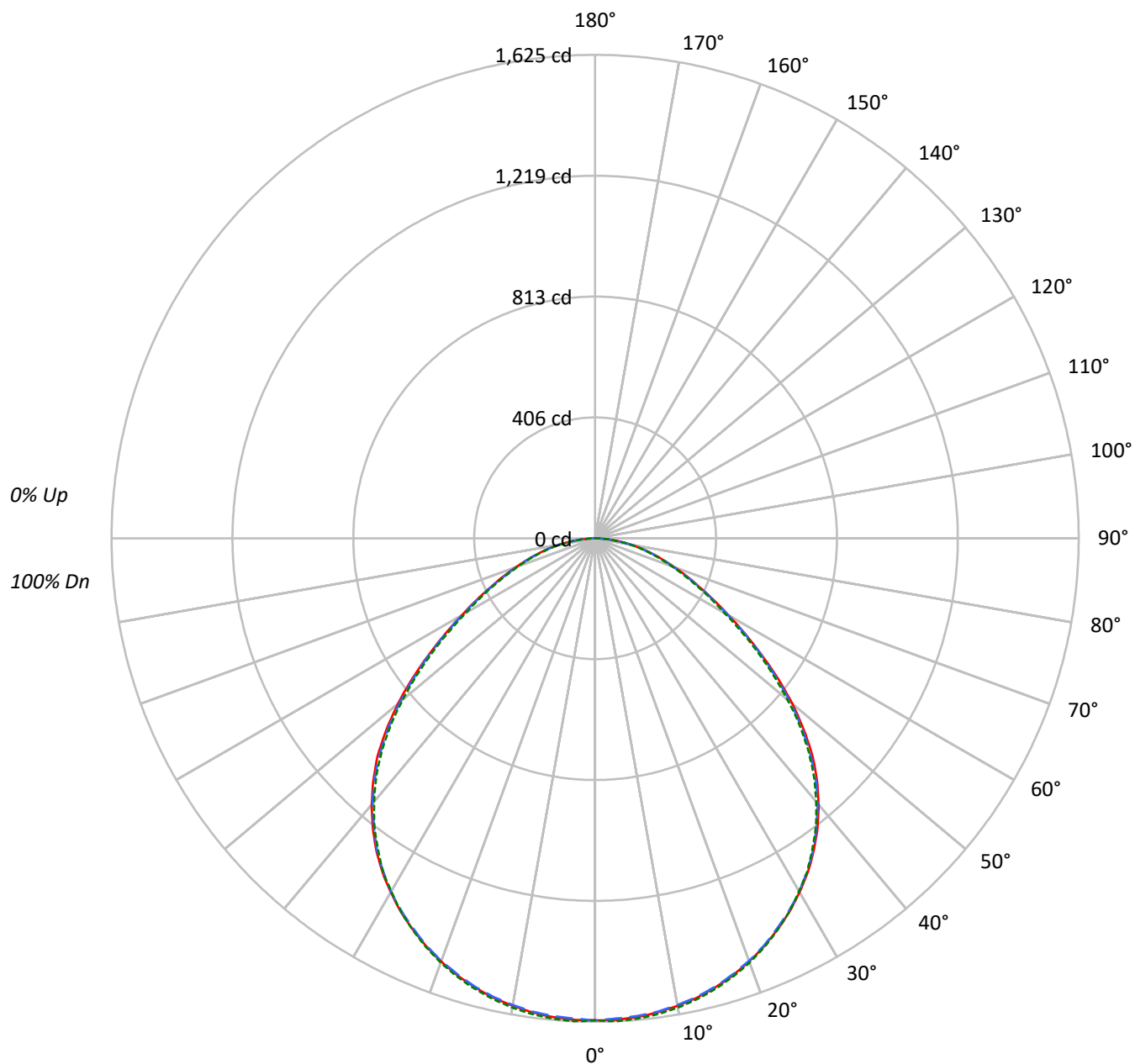
Lumens per Lamp: N/A
Luminaire Lumens: 4098.2 lumens
Efficiency: N/A
Efficacy: 105.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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	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°	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°	153.7	3.8
10°-20°	441.2	10.8
20°-30°	668.4	16.3
30°-40°	797.9	19.5
40°-50°	784.7	19.1
50°-60°	606.5	14.8
60°-70°	382.4	9.3
70°-80°	206.9	5.0
80°-90°	56.5	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°	1263.3	30.8
0°-40°	2061.3	50.3
0°-60°	3452.4	84.2
0°-90°	4098.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4098.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1620	1620	1620	1620	1620	
5°	1616	1616	1612	1619	1621	154
15°	1562	1563	1560	1565	1568	441
25°	1450	1452	1447	1452	1452	668
35°	1281	1282	1278	1277	1273	800
45°	1033	1029	1022	1014	1014	791
55°	682	688	680	668	666	612
65°	385	386	383	376	375	388
75°	198	196	194	195	190	211
85°	48	49	48	48	46	57
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1620.5	1620.5	1620.5	1620.5	1620.5
2.5°	1619.9	1620.5	1615.9	1623.5	1625.2
5°	1615.9	1616.5	1612.3	1619.2	1621.1
7.5°	1607.6	1608.9	1604.9	1611.9	1613.5
10°	1596.0	1597.3	1593.3	1600.3	1601.9
12.5°	1581.7	1582.1	1578.7	1585.1	1586.7
15°	1562.5	1562.9	1560.2	1565.2	1567.5
17.5°	1540.3	1541.0	1536.9	1543.3	1544.3
20°	1513.7	1514.1	1511.8	1517.1	1517.7
22.5°	1484.0	1485.2	1481.7	1486.3	1486.9
25°	1450.4	1451.5	1446.8	1451.5	1452.1
27.5°	1415.0	1415.4	1411.4	1415.0	1414.3
30°	1373.6	1377.2	1371.9	1370.6	1370.2
32.5°	1330.8	1331.2	1326.1	1324.9	1327.2
35°	1281.4	1281.8	1278.4	1276.7	1273.2
37.5°	1227.4	1227.4	1220.8	1219.8	1219.1
40°	1168.1	1167.4	1163.4	1159.4	1155.2
42.5°	1103.5	1104.7	1096.5	1089.6	1088.5
45°	1033.2	1029.2	1021.6	1013.6	1014.2
47.5°	950.3	951.3	941.0	934.4	932.8
50°	864.2	864.2	854.5	847.5	843.9
52.5°	774.3	774.9	765.6	756.3	754.4
55°	682.5	688.2	679.5	668.5	666.2
57.5°	596.6	601.2	593.0	581.4	580.8
60°	517.0	517.4	515.1	504.2	501.2
62.5°	449.1	446.1	444.9	439.2	435.6
65°	385.1	385.8	382.8	376.3	375.2
67.5°	333.4	332.8	327.5	323.5	321.2
70°	282.8	281.1	278.8	275.4	273.1
72.5°	237.6	237.6	235.7	234.7	230.7
75°	198.2	195.8	193.5	194.6	189.9
77.5°	160.4	158.1	156.2	153.8	152.8
80°	121.3	119.0	119.7	116.1	115.6
82.5°	84.2	84.2	83.1	80.2	80.8
85°	48.1	48.7	47.7	48.1	45.8
87.5°	17.5	17.9	19.2	17.9	17.9
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°



(END OF REPORT)