

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: P1046752

Luminaire Tested: 22PTR-50-PB1-L940-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046752
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-50-PB1-L940-UNV-STD-W
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

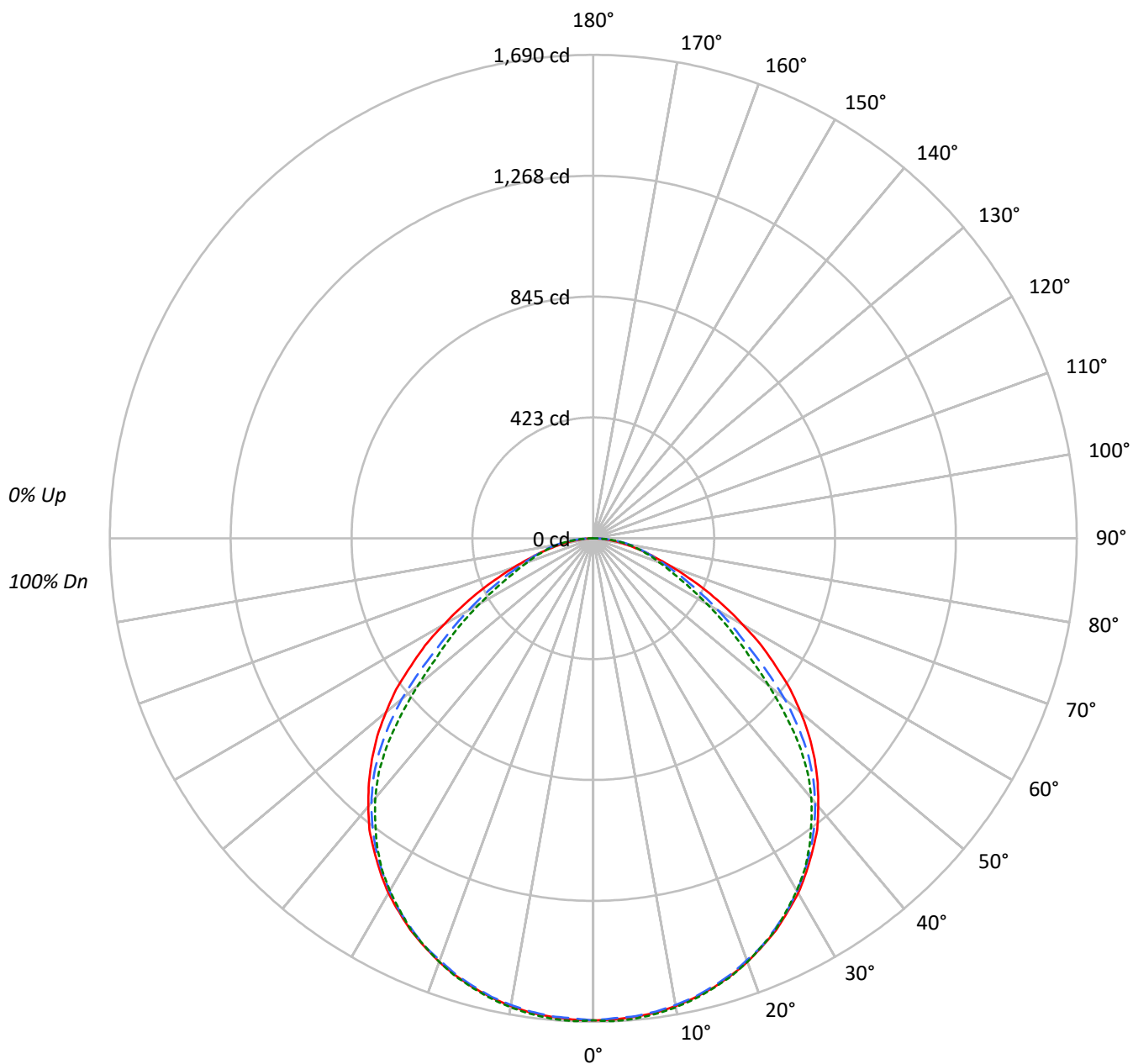
Lumens per Lamp: N/A
Luminaire Lumens: 4203.0 lumens
Efficiency: N/A
Efficacy: 107.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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	93	90	91	89	88	86		
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62		
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54		
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47		
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37		
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33		
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30		
10	55	42	34	29	54	42	34	29	41	34	29	40	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°	159.8	3.8
10°-20°	458.6	10.9
20°-30°	694.7	16.5
30°-40°	827.7	19.7
40°-50°	809.4	19.3
50°-60°	612.3	14.6
60°-70°	376.2	8.9
70°-80°	200.4	4.8
80°-90°	63.9	1.5
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°	1313.1	31.2
0°-40°	2140.8	50.9
0°-60°	3562.5	84.8
0°-90°	4203.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4203.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1686	1686	1686	1686	1686	
5°	1679	1681	1677	1684	1686	160
15°	1626	1627	1621	1627	1627	459
25°	1511	1509	1505	1507	1509	696
35°	1335	1333	1325	1319	1317	835
45°	1095	1088	1059	1024	1016	842
55°	778	738	662	624	614	696
65°	438	402	369	340	330	435
75°	186	189	191	185	180	200
85°	42	54	66	62	58	50
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1685.5	1685.5	1685.5	1685.5	1685.5
2.5°	1683.6	1685.5	1679.2	1687.7	1689.7
5°	1679.2	1681.4	1677.3	1683.6	1685.5
7.5°	1673.1	1673.1	1669.0	1675.1	1677.3
10°	1660.7	1660.7	1656.6	1662.7	1664.9
12.5°	1644.2	1644.2	1642.0	1646.2	1648.3
15°	1625.5	1627.4	1621.3	1627.4	1627.4
17.5°	1602.6	1600.7	1598.5	1602.6	1604.8
20°	1575.6	1575.6	1569.5	1573.7	1575.6
22.5°	1544.5	1544.5	1542.5	1544.5	1542.5
25°	1511.4	1509.2	1505.1	1507.3	1509.2
27.5°	1472.0	1472.0	1467.9	1467.9	1465.7
30°	1432.6	1430.5	1424.4	1420.2	1422.2
32.5°	1385.0	1382.8	1376.7	1372.6	1374.5
35°	1335.1	1333.2	1324.9	1318.6	1316.6
37.5°	1285.5	1279.2	1268.7	1260.5	1252.2
40°	1223.2	1216.9	1206.7	1188.0	1185.8
42.5°	1161.0	1154.9	1138.1	1115.5	1109.2
45°	1094.6	1088.5	1059.3	1024.1	1015.8
47.5°	1024.1	1013.9	968.1	924.6	908.1
50°	945.5	926.8	872.8	816.9	798.2
52.5°	868.7	835.6	765.1	715.2	696.7
55°	777.5	738.1	661.5	624.0	613.6
57.5°	696.7	642.7	580.5	543.3	535.0
60°	603.4	553.5	503.9	470.6	458.2
62.5°	518.2	474.7	433.4	404.2	389.8
65°	437.5	402.2	369.1	340.0	329.8
67.5°	358.7	340.0	313.0	290.4	284.0
70°	292.3	281.9	263.4	252.9	244.6
72.5°	232.2	236.4	224.0	219.8	213.5
75°	186.5	188.7	190.7	184.6	180.4
77.5°	141.0	151.3	159.5	155.4	151.3
80°	105.8	116.0	130.6	124.5	124.5
82.5°	72.5	85.1	97.5	93.4	91.2
85°	41.6	54.0	66.4	62.3	58.1
87.5°	16.5	27.0	28.9	28.9	27.0
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)