

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: P1046920

Luminaire Tested: 22PTR-50-PP3-L940-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046920
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-50-PP3-L940-UNV-STD-W
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

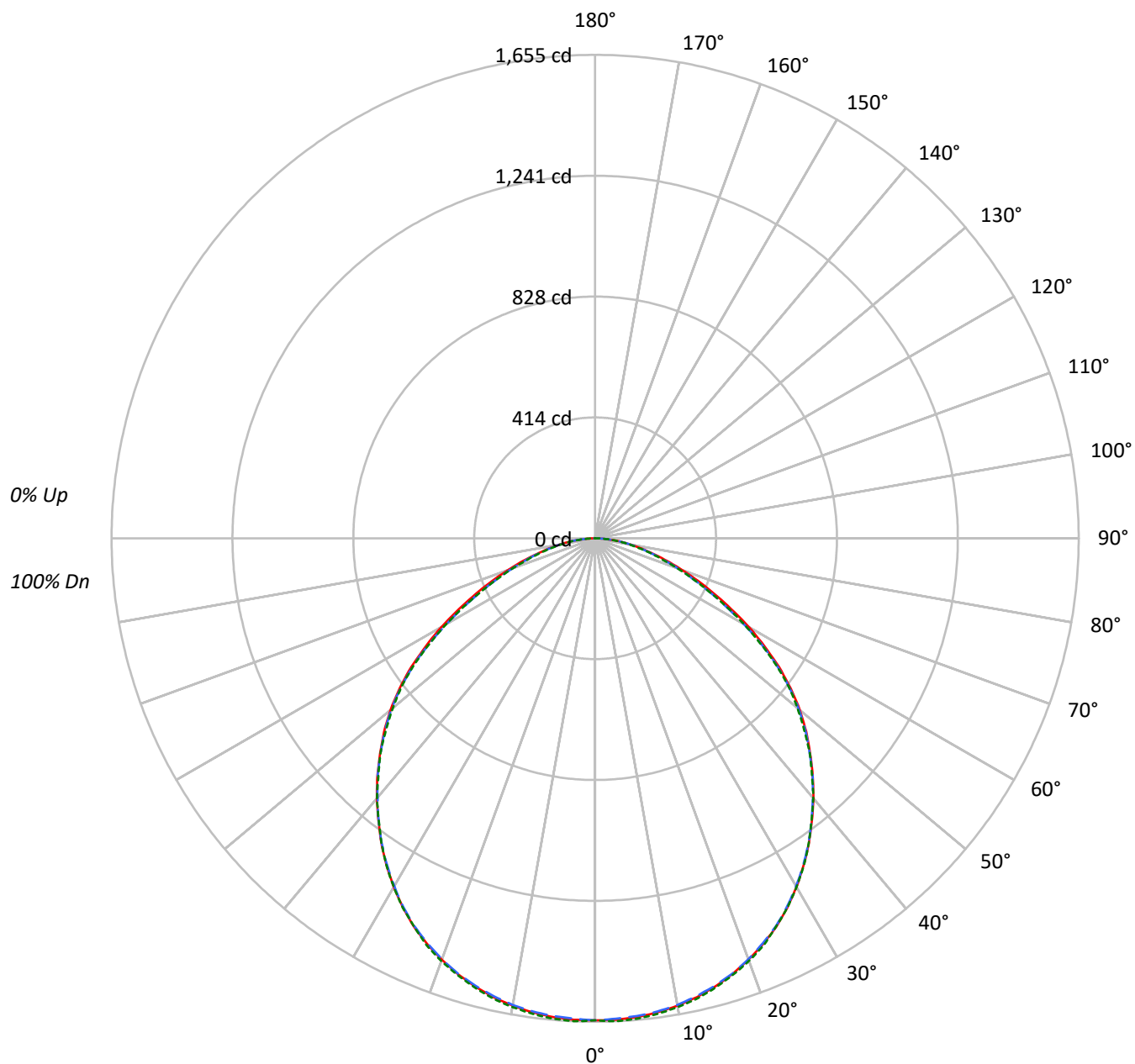
Lumens per Lamp: N/A
Luminaire Lumens: 4264.1 lumens
Efficiency: N/A
Efficacy: 109.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72		
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61		
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46		
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36		
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26		

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°	156.5	3.7
10°-20°	448.4	10.5
20°-30°	675.0	15.8
30°-40°	796.7	18.7
40°-50°	801.3	18.8
50°-60°	676.5	15.9
60°-70°	434.4	10.2
70°-80°	216.1	5.1
80°-90°	59.2	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°	1279.9	30.0
0°-40°	2076.7	48.7
0°-60°	3554.4	83.4
0°-90°	4264.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4264.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1650	1650	1650	1650	1650	
5°	1646	1646	1642	1650	1651	156
15°	1588	1588	1585	1592	1592	448
25°	1467	1468	1465	1468	1466	675
35°	1275	1276	1274	1275	1275	797
45°	1040	1044	1037	1039	1039	803
55°	768	767	759	756	757	683
65°	451	444	428	424	428	450
75°	207	206	199	197	195	224
85°	51	53	53	50	50	60
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1650.4	1650.4	1650.4	1650.4	1650.4
2.5°	1649.7	1650.4	1646.0	1653.8	1655.1
5°	1645.6	1646.0	1641.9	1649.7	1650.8
7.5°	1637.1	1637.7	1634.0	1641.2	1642.5
10°	1624.5	1626.4	1622.1	1628.8	1629.9
12.5°	1609.0	1609.7	1605.3	1613.1	1614.4
15°	1588.1	1588.5	1585.1	1592.2	1592.2
17.5°	1563.9	1564.6	1562.2	1568.3	1567.6
20°	1534.8	1536.5	1533.5	1537.6	1540.0
22.5°	1503.0	1503.6	1499.9	1505.4	1507.8
25°	1467.1	1467.5	1464.7	1467.5	1466.4
27.5°	1425.1	1426.2	1422.0	1425.1	1425.7
30°	1378.3	1381.3	1375.4	1377.8	1378.3
32.5°	1328.0	1329.7	1325.6	1326.3	1329.3
35°	1275.3	1276.0	1273.6	1274.7	1274.7
37.5°	1218.5	1220.9	1217.2	1218.9	1216.5
40°	1162.1	1159.7	1158.4	1159.7	1161.5
42.5°	1102.7	1103.4	1101.6	1100.3	1097.5
45°	1040.5	1044.2	1037.4	1038.7	1038.7
47.5°	979.5	979.9	976.5	972.8	970.4
50°	914.2	914.2	909.9	907.0	903.3
52.5°	842.8	841.7	836.9	833.9	835.6
55°	767.9	767.3	759.0	756.0	756.6
57.5°	685.9	687.2	674.6	671.5	671.5
60°	607.5	601.4	587.1	582.9	588.1
62.5°	525.2	518.0	502.6	502.6	506.7
65°	451.0	444.5	428.4	424.0	427.7
67.5°	381.6	375.5	360.7	358.3	359.4
70°	315.6	310.4	301.3	295.8	297.8
72.5°	258.8	254.0	247.9	243.8	241.4
75°	206.6	205.5	198.9	197.0	194.6
77.5°	163.5	163.0	157.6	155.2	152.8
80°	122.8	122.1	121.0	117.3	115.6
82.5°	87.5	87.5	86.8	83.8	82.1
85°	50.9	52.7	52.7	49.6	49.6
87.5°	20.5	21.5	20.5	20.5	19.8
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)