

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: P1046784

Luminaire Tested: 22PTR-50-PC3-L930-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046784
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-50-PC3-L930-UNV-STD-W
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

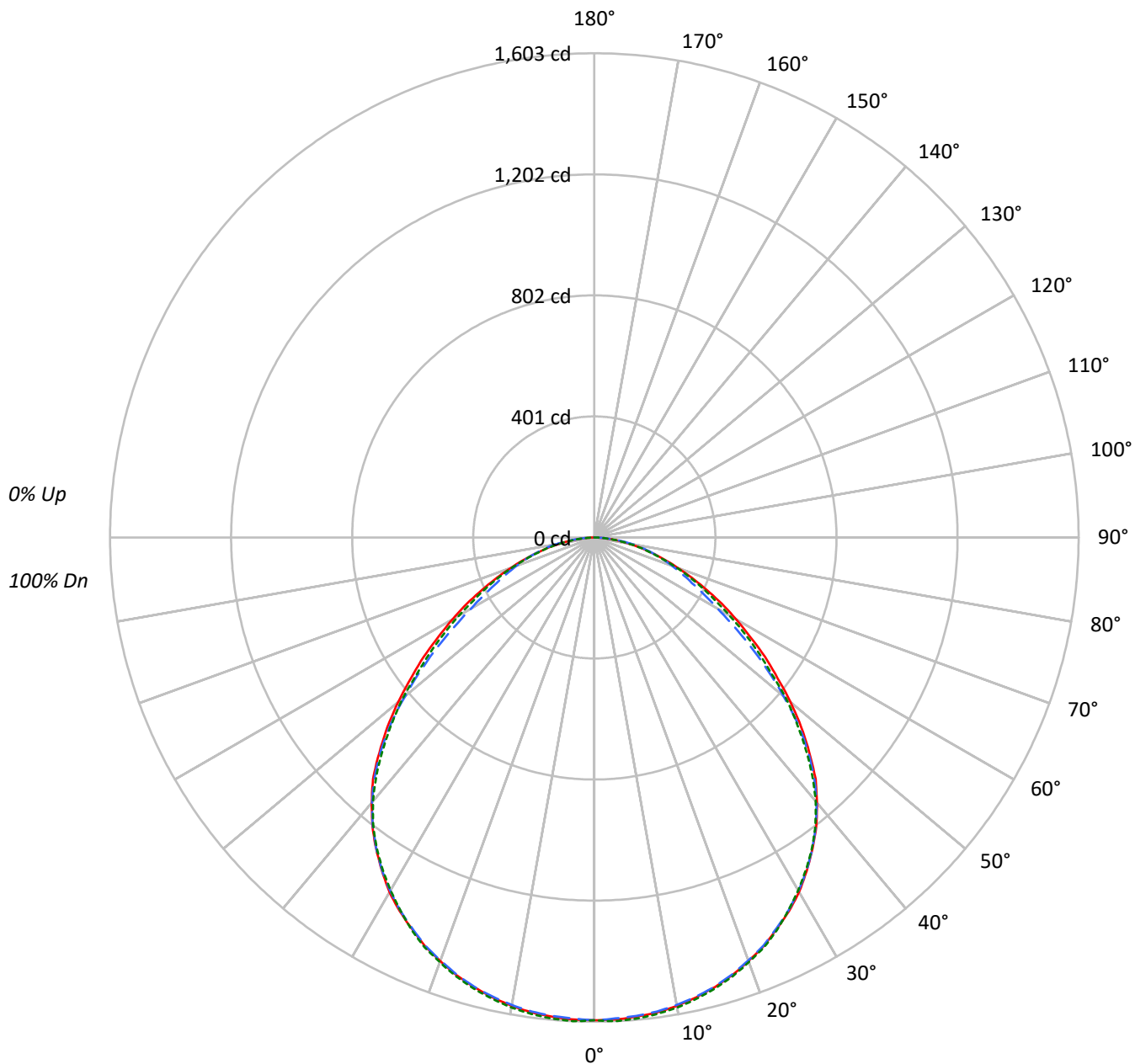
Lumens per Lamp: N/A
Luminaire Lumens: 4030.3 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72		
3	92	82	74	68	90	80	73	68	77	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	46	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	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°	151.6	3.8
10°-20°	435.2	10.8
20°-30°	658.9	16.3
30°-40°	785.6	19.5
40°-50°	767.6	19.0
50°-60°	587.0	14.6
60°-70°	376.8	9.4
70°-80°	209.7	5.2
80°-90°	57.9	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°	1245.8	30.9
0°-40°	2031.4	50.4
0°-60°	3385.9	84.0
0°-90°	4030.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4030.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1599	1599	1599	1599	1599	
5°	1593	1594	1590	1598	1599	152
15°	1541	1542	1539	1544	1546	435
25°	1430	1431	1427	1432	1433	659
35°	1259	1260	1258	1257	1256	787
45°	1006	1009	999	997	989	774
55°	690	666	634	642	662	616
65°	410	378	356	368	393	408
75°	197	198	200	197	193	210
85°	43	50	51	49	43	53
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1598.6	1598.6	1598.6	1598.6	1598.6
2.5°	1597.6	1598.2	1594.1	1600.9	1603.2
5°	1593.0	1594.1	1590.1	1597.6	1599.3
7.5°	1586.2	1587.2	1583.3	1590.7	1591.4
10°	1574.7	1575.4	1571.8	1579.3	1580.3
12.5°	1559.4	1561.0	1557.1	1563.9	1564.4
15°	1540.9	1542.1	1539.2	1544.4	1546.1
17.5°	1519.3	1519.9	1517.0	1522.6	1523.2
20°	1492.3	1492.3	1490.0	1496.4	1496.4
22.5°	1464.8	1463.2	1462.6	1464.8	1468.4
25°	1429.5	1431.2	1427.2	1431.8	1432.8
27.5°	1395.2	1395.2	1391.7	1394.0	1391.1
30°	1355.8	1353.5	1351.2	1351.6	1348.9
32.5°	1308.2	1308.2	1307.2	1307.2	1303.6
35°	1259.2	1260.2	1257.9	1257.3	1255.6
37.5°	1206.4	1208.3	1204.1	1203.1	1201.8
40°	1146.4	1146.4	1144.7	1142.4	1139.5
42.5°	1084.0	1084.0	1076.8	1070.9	1067.0
45°	1006.3	1008.6	998.9	996.6	988.7
47.5°	929.1	927.4	914.3	912.6	908.1
50°	846.8	837.0	818.3	823.3	827.5
52.5°	764.5	752.5	725.0	730.7	737.5
55°	689.5	665.6	633.6	641.5	662.1
57.5°	611.2	579.2	547.2	562.2	587.7
60°	542.0	506.1	471.2	487.2	516.9
62.5°	475.7	437.5	409.5	424.8	450.0
65°	409.5	377.9	356.3	368.1	392.9
67.5°	348.8	327.6	312.9	318.5	338.4
70°	294.0	280.7	272.8	274.4	285.9
72.5°	241.8	238.5	235.6	235.6	236.6
75°	196.7	198.4	200.1	197.4	192.8
77.5°	155.0	160.6	164.7	158.9	153.3
80°	113.8	123.0	128.2	121.7	113.2
82.5°	77.7	88.1	89.7	85.8	76.0
85°	42.8	50.3	50.9	49.2	42.8
87.5°	16.0	18.9	20.6	18.9	16.6
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)