

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: P1046764

Luminaire Tested: 22PTR-50-PC3-L830-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046764
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-L830-UNV-STD-W
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

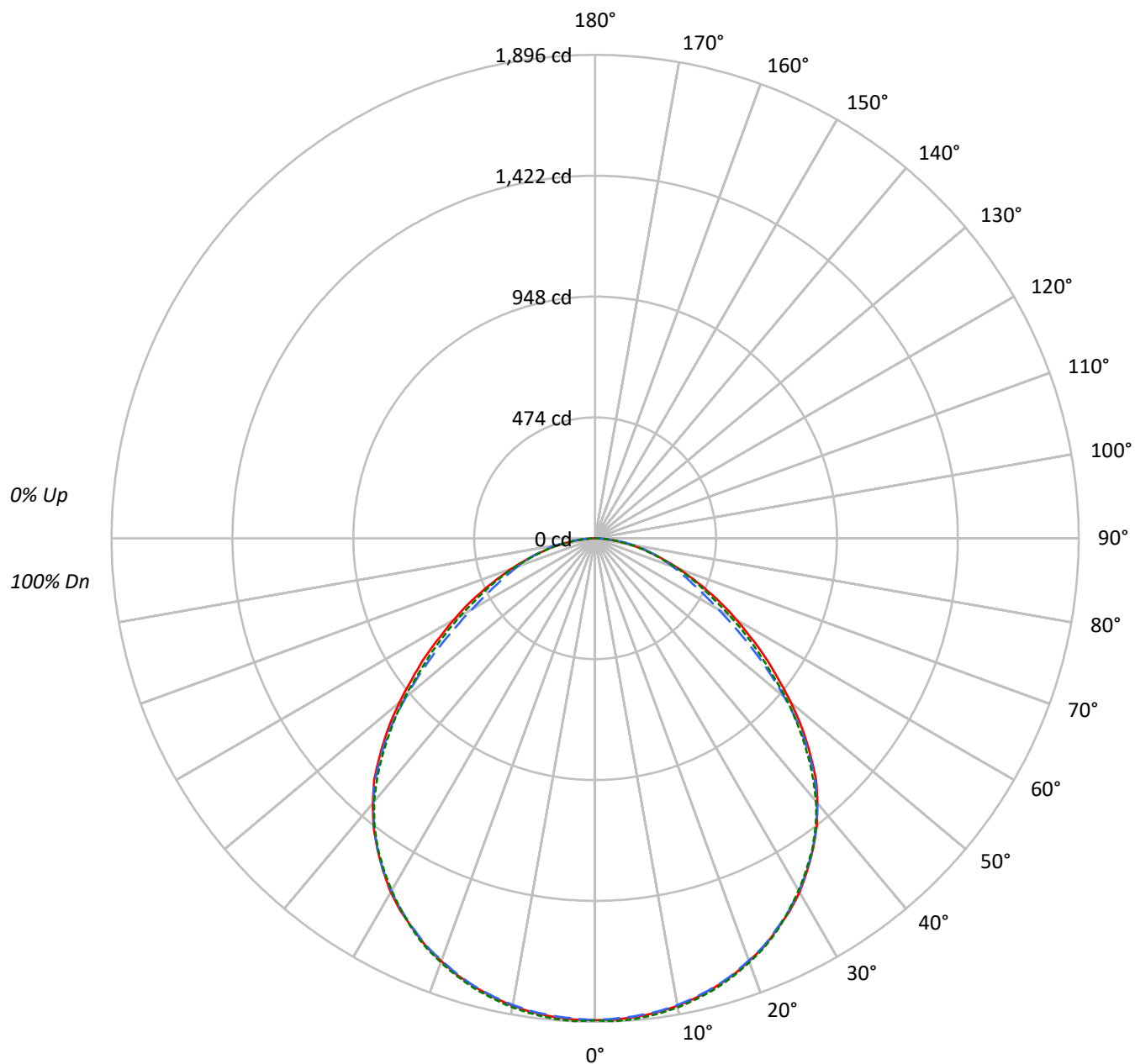
Lumens per Lamp: N/A
Luminaire Lumens: 4765.6 lumens
Efficiency: N/A
Efficacy: 122.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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°	179.3	3.8
10°-20°	514.6	10.8
20°-30°	779.1	16.3
30°-40°	928.9	19.5
40°-50°	907.6	19.0
50°-60°	694.0	14.6
60°-70°	445.6	9.4
70°-80°	247.9	5.2
80°-90°	68.5	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°	1473.0	30.9
0°-40°	2402.0	50.4
0°-60°	4003.6	84.0
0°-90°	4765.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4765.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1890	1890	1890	1890	1890	
5°	1884	1885	1880	1889	1891	179
15°	1822	1824	1820	1826	1828	514
25°	1690	1692	1688	1693	1694	780
35°	1489	1490	1487	1487	1485	930
45°	1190	1193	1181	1178	1169	916
55°	815	787	749	759	783	729
65°	484	447	421	435	464	483
75°	233	235	237	233	228	249
85°	51	59	60	58	51	62
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1890.3	1890.3	1890.3	1890.3	1890.3
2.5°	1889.0	1889.8	1884.9	1893.0	1895.7
5°	1883.6	1884.9	1880.2	1889.0	1891.0
7.5°	1875.5	1876.8	1872.1	1880.9	1881.7
10°	1862.0	1862.8	1858.6	1867.4	1868.7
12.5°	1843.8	1845.8	1841.1	1849.2	1849.7
15°	1822.0	1823.5	1820.0	1826.2	1828.1
17.5°	1796.4	1797.2	1793.7	1800.4	1801.1
20°	1764.5	1764.5	1761.8	1769.4	1769.4
22.5°	1732.1	1730.1	1729.4	1732.1	1736.2
25°	1690.3	1692.3	1687.6	1693.0	1694.2
27.5°	1649.8	1649.8	1645.6	1648.3	1644.9
30°	1603.1	1600.4	1597.7	1598.2	1595.0
32.5°	1546.9	1546.9	1545.6	1545.6	1541.4
35°	1488.9	1490.1	1487.4	1486.7	1484.7
37.5°	1426.5	1428.7	1423.8	1422.6	1421.1
40°	1355.5	1355.5	1353.5	1350.8	1347.4
42.5°	1281.8	1281.8	1273.2	1266.3	1261.7
45°	1189.9	1192.6	1181.1	1178.4	1169.0
47.5°	1098.5	1096.6	1081.1	1079.1	1073.7
50°	1001.3	989.7	967.6	973.5	978.4
52.5°	904.0	889.7	857.3	863.9	872.1
55°	815.3	787.1	749.2	758.6	782.9
57.5°	722.7	684.9	647.0	664.7	694.9
60°	640.9	598.4	557.1	576.0	611.2
62.5°	562.5	517.3	484.2	502.4	532.1
65°	484.2	446.8	421.3	435.3	464.5
67.5°	412.4	387.4	369.9	376.6	400.2
70°	347.6	331.9	322.5	324.5	338.0
72.5°	285.9	282.0	278.6	278.6	279.8
75°	232.6	234.6	236.6	233.4	228.0
77.5°	183.3	189.9	194.8	187.9	181.3
80°	134.6	145.4	151.6	144.0	133.9
82.5°	91.9	104.2	106.1	101.5	89.9
85°	50.6	59.4	60.2	58.2	50.6
87.5°	18.9	22.4	24.3	22.4	19.7
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)