

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: P1046905

Luminaire Tested: 22PTR-50-PP3-L850-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046905
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-L850-UNV-STD-W
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

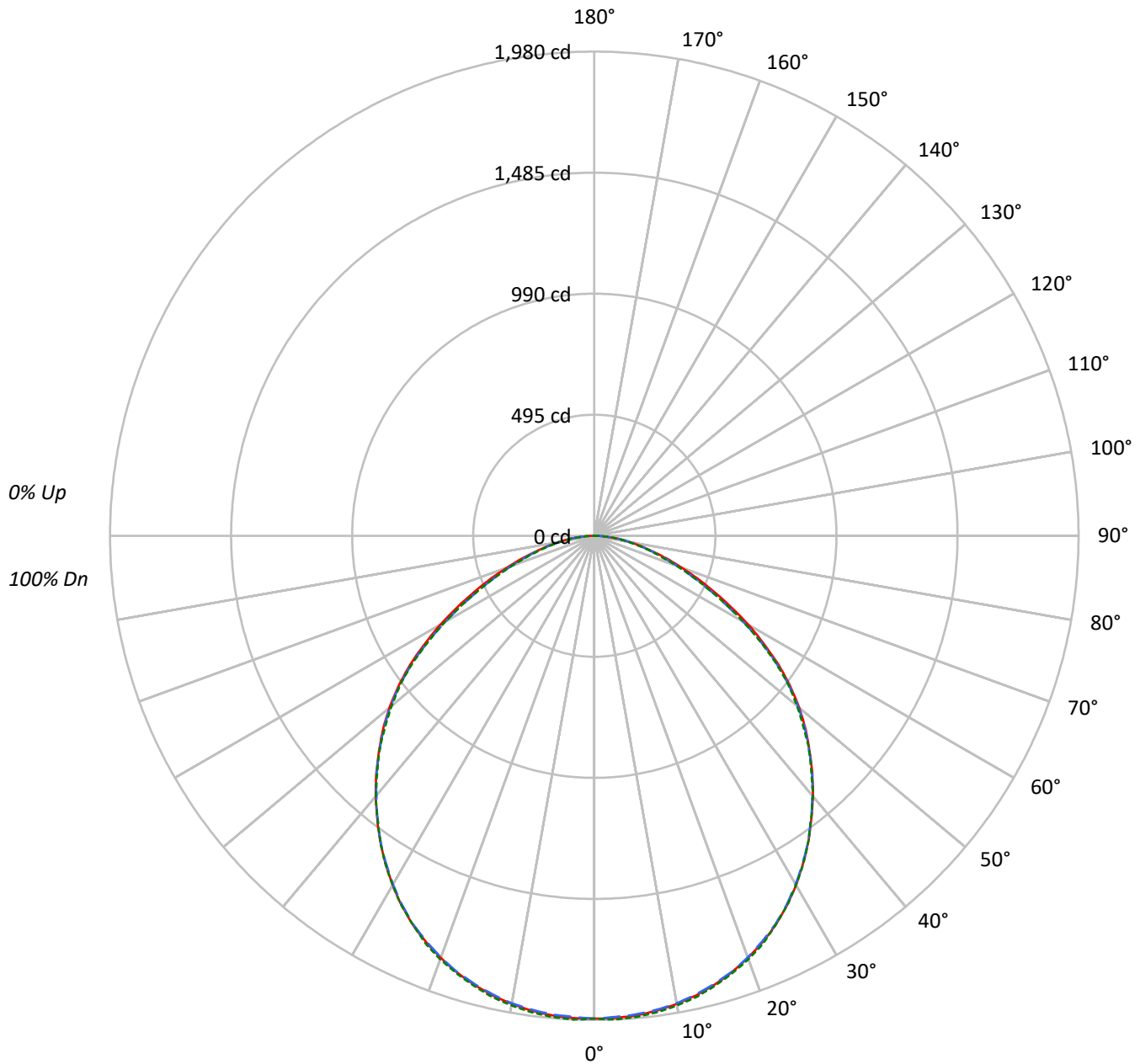
Lumens per Lamp: N/A
Luminaire Lumens: 5102.2 lumens
Efficiency: N/A
Efficacy: 130.8 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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

TEST NUMBER: P1046905

CATALOG NUMBER: 22PTR-50-PP3-L850-UNV-STD-W

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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	109	105	101	97	107	103	99	96		99	96	93			95	92	90			91
2	100	92	86	80	97	90	84	79		87	82	78			84	79	76			81
3	92	81	74	67	89	80	73	67		77	71	66			74	69	65			72
4	84	73	64	58	82	71	63	57		69	62	56			66	60	56			64
5	77	65	56	50	75	64	56	50		62	55	49			60	54	49			58
6	72	59	50	44	70	58	50	44		56	49	43			54	48	43			53
7	66	53	45	39	65	52	44	39		51	44	38			50	43	38			48
8	62	49	40	35	60	48	40	35		47	39	34			45	39	34			44
9	58	45	37	31	57	44	36	31		43	36	31			42	35	31			41
10	54	41	34	28	53	41	33	28		40	33	28			39	33	28			38

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: -

TEST NUMBER: P1046905

CATALOG NUMBER: 22PTR-50-PP3-L850-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.3	3.7
10°-20°	536.5	10.5
20°-30°	807.7	15.8
30°-40°	953.3	18.7
40°-50°	958.8	18.8
50°-60°	809.4	15.9
60°-70°	519.8	10.2
70°-80°	258.6	5.1
80°-90°	70.8	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°	1531.5	30.0
0°-40°	2484.8	48.7
0°-60°	4253.0	83.4
0°-90°	5102.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5102.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1975	1975	1975	1975	1975	
5°	1969	1970	1965	1974	1975	187
15°	1900	1901	1897	1905	1905	536
25°	1755	1756	1753	1756	1755	808
35°	1526	1527	1524	1525	1525	954
45°	1245	1249	1241	1243	1243	961
55°	919	918	908	904	905	817
65°	540	532	513	507	512	538
75°	247	246	238	236	233	267
85°	61	63	63	59	59	72
90°	0	0	0	0	0	

TEST NUMBER: P1046905

CATALOG NUMBER: 22PTR-50-PP3-L850-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1974.7	1974.7	1974.7	1974.7	1974.7
2.5°	1973.9	1974.7	1969.5	1978.9	1980.5
5°	1969.0	1969.5	1964.6	1973.9	1975.2
7.5°	1958.8	1959.6	1955.2	1963.8	1965.3
10°	1943.7	1946.1	1940.9	1948.9	1950.2
12.5°	1925.2	1926.0	1920.8	1930.2	1931.7
15°	1900.2	1900.8	1896.6	1905.2	1905.2
17.5°	1871.3	1872.1	1869.2	1876.5	1875.8
20°	1836.4	1838.5	1834.9	1839.8	1842.7
22.5°	1798.4	1799.2	1794.8	1801.3	1804.1
25°	1755.4	1755.9	1752.6	1755.9	1754.6
27.5°	1705.2	1706.5	1701.5	1705.2	1705.9
30°	1649.2	1652.8	1645.8	1648.6	1649.2
32.5°	1589.0	1591.1	1586.1	1586.9	1590.6
35°	1526.0	1526.8	1523.9	1525.2	1525.2
37.5°	1458.0	1460.9	1456.4	1458.5	1455.6
40°	1390.5	1387.7	1386.1	1387.7	1389.8
42.5°	1319.4	1320.2	1318.1	1316.6	1313.2
45°	1244.9	1249.4	1241.3	1242.9	1242.9
47.5°	1172.0	1172.5	1168.4	1163.9	1161.1
50°	1093.9	1093.9	1088.7	1085.3	1080.9
52.5°	1008.5	1007.2	1001.4	997.8	999.9
55°	918.9	918.1	908.2	904.5	905.3
57.5°	820.7	822.2	807.1	803.5	803.5
60°	726.9	719.6	702.4	697.5	703.7
62.5°	628.5	619.9	601.4	601.4	606.3
65°	539.6	531.8	512.6	507.4	511.8
67.5°	456.6	449.3	431.6	428.7	430.0
70°	377.7	371.4	360.5	353.9	356.3
72.5°	309.7	303.9	296.7	291.7	288.8
75°	247.2	245.9	238.1	235.7	232.8
77.5°	195.6	195.1	188.6	185.7	182.8
80°	146.9	146.1	144.8	140.4	138.3
82.5°	104.7	104.7	103.9	100.3	98.2
85°	60.9	63.0	63.0	59.4	59.4
87.5°	24.5	25.8	24.5	24.5	23.7
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)