

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: P1046890

Luminaire Tested: 22PTR-50-PP3-L830-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046890
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-L830-UNV-STD-W
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

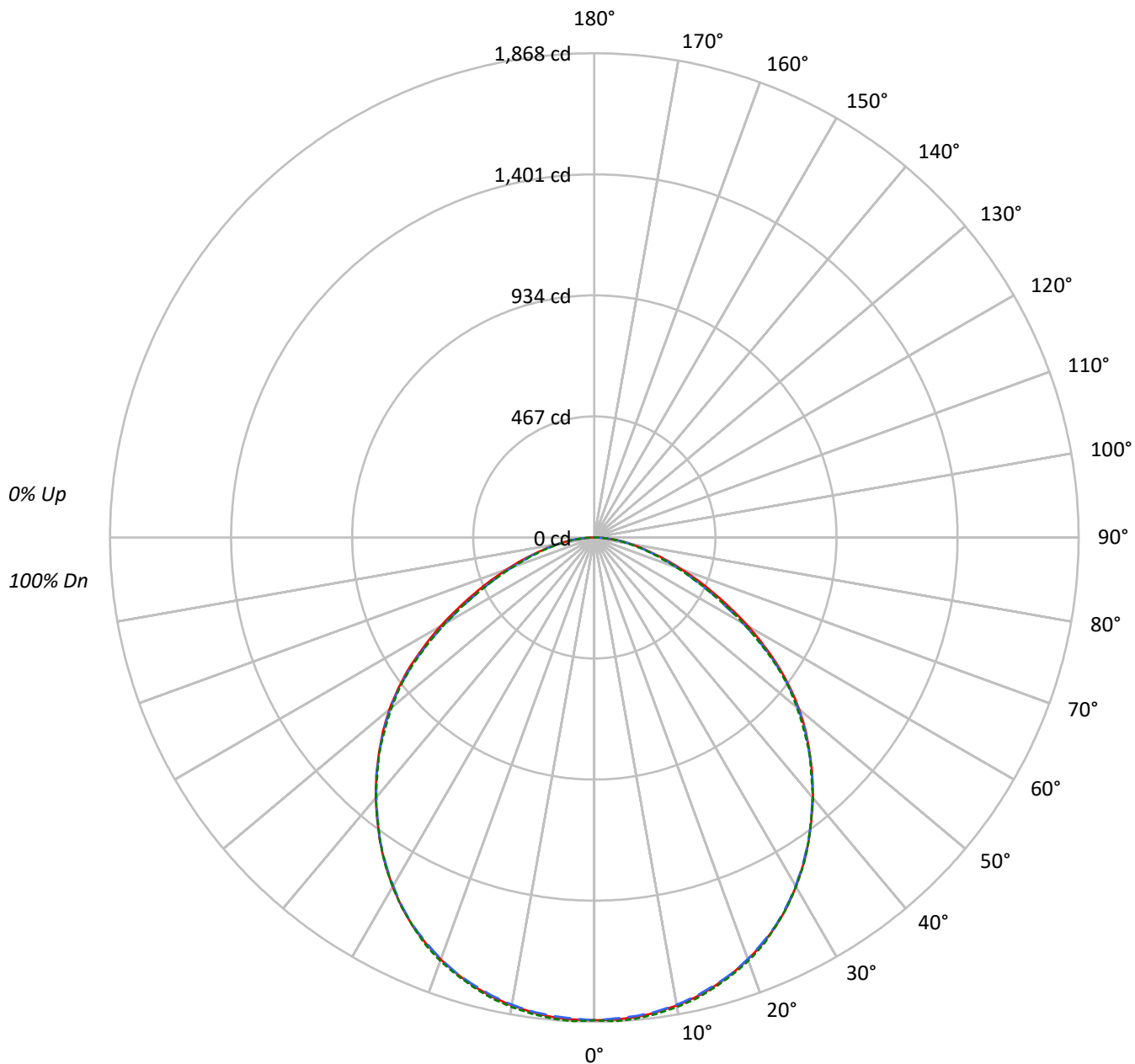
Lumens per Lamp: N/A
Luminaire Lumens: 4812.1 lumens
Efficiency: N/A
Efficacy: 123.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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: P1046890

CATALOG NUMBER: 22PTR-50-PP3-L830-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: P1046890

CATALOG NUMBER: 22PTR-50-PP3-L830-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.6	3.7
10°-20°	506.0	10.5
20°-30°	761.8	15.8
30°-40°	899.1	18.7
40°-50°	904.3	18.8
50°-60°	763.4	15.9
60°-70°	490.3	10.2
70°-80°	243.8	5.1
80°-90°	66.8	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°	1444.4	30.0
0°-40°	2343.6	48.7
0°-60°	4011.2	83.4
0°-90°	4812.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4812.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1862	1862	1862	1862	1862	
5°	1857	1858	1853	1862	1863	177
15°	1792	1793	1789	1797	1797	506
25°	1656	1656	1653	1656	1655	762
35°	1439	1440	1437	1438	1438	899
45°	1174	1178	1171	1172	1172	906
55°	867	866	857	853	854	771
65°	509	502	483	478	483	507
75°	233	232	224	222	220	252
85°	58	59	59	56	56	68
90°	0	0	0	0	0	

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CATALOG NUMBER: 22PTR-50-PP3-L830-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1862.5	1862.5	1862.5	1862.5	1862.5
2.5°	1861.7	1862.5	1857.6	1866.4	1867.9
5°	1857.1	1857.6	1852.9	1861.7	1863.0
7.5°	1847.5	1848.2	1844.0	1852.2	1853.6
10°	1833.2	1835.5	1830.5	1838.2	1839.4
12.5°	1815.8	1816.5	1811.6	1820.5	1821.9
15°	1792.2	1792.7	1788.8	1796.9	1796.9
17.5°	1765.0	1765.7	1763.0	1769.9	1769.1
20°	1732.0	1734.0	1730.6	1735.2	1737.9
22.5°	1696.2	1696.9	1692.7	1698.9	1701.6
25°	1655.6	1656.1	1652.9	1656.1	1654.9
27.5°	1608.2	1609.5	1604.8	1608.2	1609.0
30°	1555.4	1558.9	1552.2	1554.9	1555.4
32.5°	1498.7	1500.6	1496.0	1496.7	1500.1
35°	1439.2	1440.0	1437.3	1438.5	1438.5
37.5°	1375.1	1377.8	1373.6	1375.6	1372.9
40°	1311.5	1308.8	1307.3	1308.8	1310.8
42.5°	1244.4	1245.2	1243.2	1241.7	1238.5
45°	1174.2	1178.4	1170.7	1172.2	1172.2
47.5°	1105.4	1105.9	1102.0	1097.8	1095.1
50°	1031.7	1031.7	1026.8	1023.6	1019.4
52.5°	951.1	949.9	944.5	941.1	943.0
55°	866.6	865.9	856.6	853.1	853.9
57.5°	774.0	775.5	761.3	757.8	757.8
60°	685.6	678.7	662.5	657.8	663.7
62.5°	592.7	584.6	567.2	567.2	571.9
65°	509.0	501.6	483.4	478.5	482.7
67.5°	430.6	423.7	407.0	404.3	405.6
70°	356.2	350.3	340.0	333.8	336.0
72.5°	292.1	286.7	279.8	275.1	272.4
75°	233.1	231.9	224.5	222.3	219.6
77.5°	184.5	184.0	177.8	175.1	172.4
80°	138.5	137.8	136.6	132.4	130.4
82.5°	98.7	98.7	98.0	94.6	92.6
85°	57.5	59.4	59.4	56.0	56.0
87.5°	23.1	24.3	23.1	23.1	22.4
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)