

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: P1046895

Luminaire Tested: 22PTR-50-PP3-L835-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046895
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-L835-UNV-STD-W
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

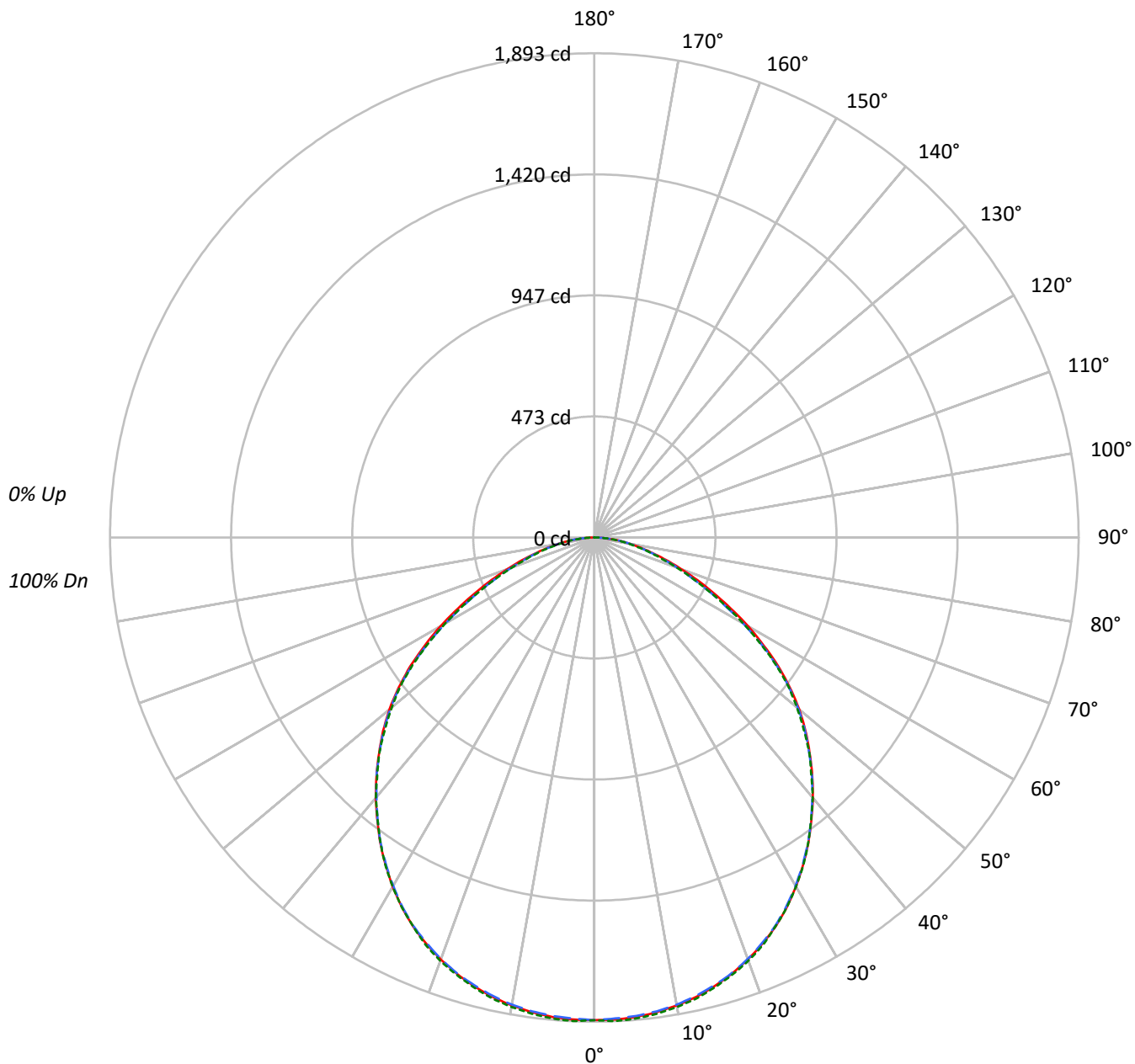
Lumens per Lamp: N/A
Luminaire Lumens: 4876.2 lumens
Efficiency: N/A
Efficacy: 125.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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°	179.0	3.7
10°-20°	512.7	10.5
20°-30°	771.9	15.8
30°-40°	911.1	18.7
40°-50°	916.3	18.8
50°-60°	773.6	15.9
60°-70°	496.8	10.2
70°-80°	247.1	5.1
80°-90°	67.7	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°	1463.7	30.0
0°-40°	2374.7	48.7
0°-60°	4064.6	83.4
0°-90°	4876.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4876.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1887	1887	1887	1887	1887	
5°	1882	1882	1878	1886	1888	179
15°	1816	1817	1813	1821	1821	512
25°	1678	1678	1675	1678	1677	772
35°	1458	1459	1456	1458	1458	911
45°	1190	1194	1186	1188	1188	918
55°	878	877	868	864	865	781
65°	516	508	490	485	489	514
75°	236	235	228	225	222	256
85°	58	60	60	57	57	69
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1887.2	1887.2	1887.2	1887.2	1887.2
2.5°	1886.5	1887.2	1882.3	1891.2	1892.7
5°	1881.8	1882.3	1877.5	1886.5	1887.7
7.5°	1872.1	1872.8	1868.6	1876.8	1878.3
10°	1857.6	1859.9	1854.9	1862.6	1863.9
12.5°	1840.0	1840.7	1835.7	1844.7	1846.2
15°	1816.1	1816.6	1812.6	1820.8	1820.8
17.5°	1788.4	1789.2	1786.4	1793.4	1792.7
20°	1755.1	1757.1	1753.6	1758.3	1761.1
22.5°	1718.7	1719.5	1715.3	1721.5	1724.2
25°	1677.7	1678.2	1674.9	1678.2	1676.9
27.5°	1629.6	1630.9	1626.1	1629.6	1630.4
30°	1576.1	1579.6	1572.9	1575.6	1576.1
32.5°	1518.6	1520.6	1515.9	1516.6	1520.1
35°	1458.4	1459.1	1456.4	1457.6	1457.6
37.5°	1393.4	1396.1	1391.9	1393.9	1391.2
40°	1328.9	1326.2	1324.7	1326.2	1328.2
42.5°	1261.0	1261.7	1259.7	1258.2	1255.0
45°	1189.8	1194.0	1186.3	1187.8	1187.8
47.5°	1120.1	1120.6	1116.6	1112.4	1109.6
50°	1045.4	1045.4	1040.5	1037.2	1033.0
52.5°	963.8	962.5	957.1	953.6	955.6
55°	878.2	877.4	868.0	864.5	865.2
57.5°	784.3	785.8	771.4	767.9	767.9
60°	694.7	687.7	671.3	666.6	672.6
62.5°	600.6	592.4	574.7	574.7	579.5
65°	515.7	508.3	489.9	484.9	489.1
67.5°	436.3	429.4	412.4	409.7	411.0
70°	360.9	354.9	344.5	338.3	340.5
72.5°	296.0	290.5	283.5	278.8	276.0
75°	236.2	235.0	227.5	225.3	222.5
77.5°	186.9	186.4	180.2	177.5	174.7
80°	140.4	139.6	138.4	134.2	132.2
82.5°	100.1	100.1	99.3	95.8	93.8
85°	58.2	60.2	60.2	56.8	56.8
87.5°	23.4	24.6	23.4	23.4	22.7
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)