

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: P1046853

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

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046853
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-50-PLG-L835-UNV-STD-W
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

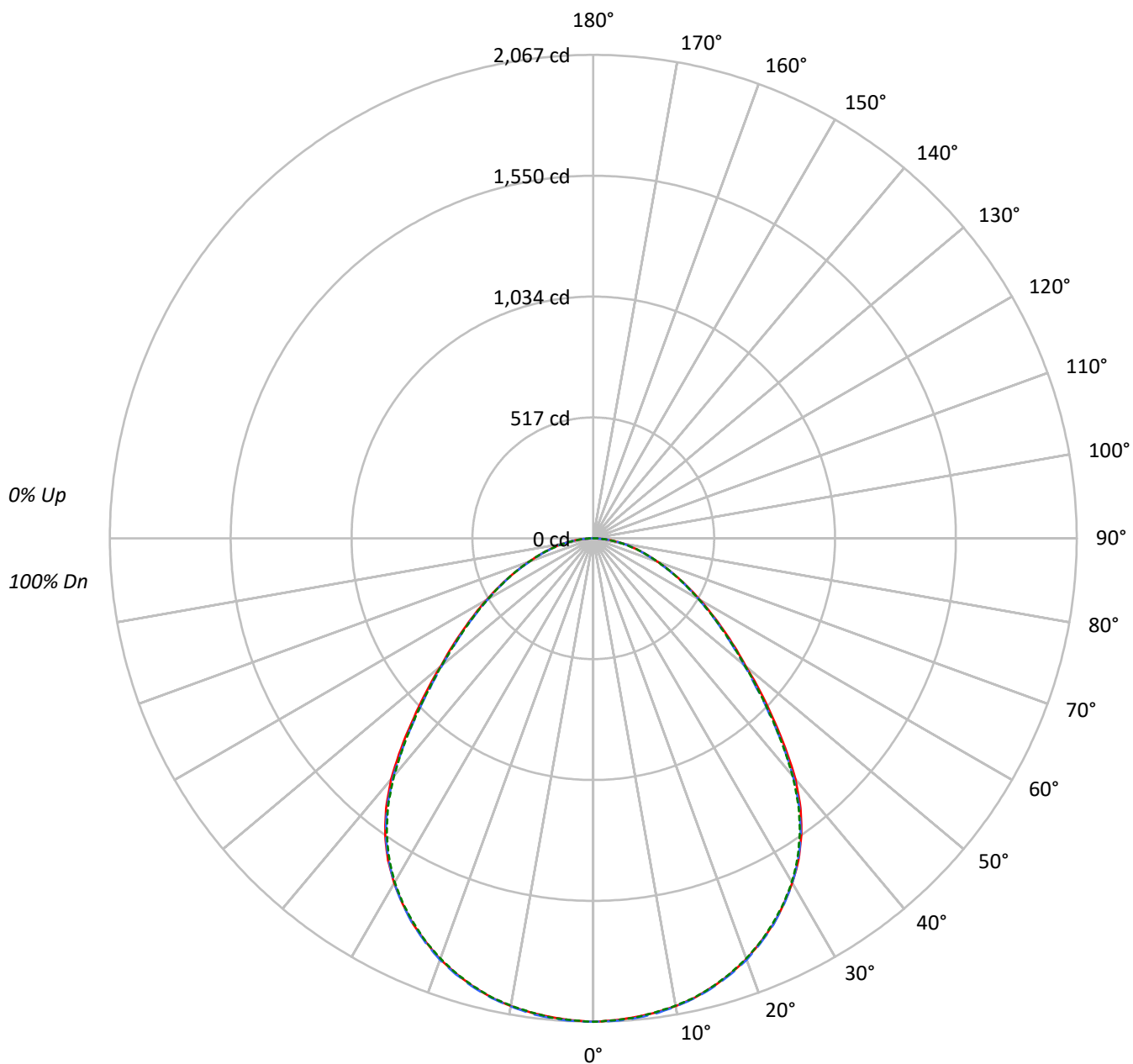
Lumens per Lamp: N/A
Luminaire Lumens: 4658.3 lumens
Efficiency: N/A
Efficacy: 119.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86		
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74		
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64		
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56		
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49		
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43		
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39		
8	64	51	43	38	62	51	43	38	49	42	37	48	42	37	47	41	37	35		
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32		
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29		

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°	195.7	4.2
10°-20°	560.1	12.0
20°-30°	838.0	18.0
30°-40°	960.1	20.6
40°-50°	830.4	17.8
50°-60°	601.0	12.9
60°-70°	395.8	8.5
70°-80°	215.5	4.6
80°-90°	61.8	1.3
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°	1593.8	34.2
0°-40°	2553.9	54.8
0°-60°	3985.2	85.6
0°-90°	4658.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4658.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2067	2067	2067	2067	2067	
5°	2056	2060	2060	2060	2057	195
15°	1984	1985	1987	1990	1982	560
25°	1821	1821	1822	1824	1816	837
35°	1551	1549	1546	1545	1539	963
45°	1084	1081	1067	1065	1071	840
55°	675	672	665	660	666	607
65°	399	402	396	393	398	398
75°	204	204	201	201	204	217
85°	54	54	54	56	48	63
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2067.3	2067.3	2067.3	2067.3	2067.3
2.5°	2062.9	2067.3	2065.9	2067.3	2062.9
5°	2055.6	2060.0	2060.0	2060.0	2057.1
7.5°	2045.3	2048.3	2049.7	2051.2	2043.9
10°	2030.6	2033.6	2032.1	2035.0	2029.2
12.5°	2011.6	2011.6	2013.0	2016.0	2010.1
15°	1983.7	1985.2	1986.6	1989.6	1982.2
17.5°	1951.4	1952.9	1954.4	1955.8	1949.9
20°	1914.7	1914.7	1917.7	1919.1	1911.8
22.5°	1869.3	1869.3	1872.2	1876.6	1867.8
25°	1820.8	1820.8	1822.3	1823.8	1816.4
27.5°	1763.6	1763.6	1765.1	1769.5	1760.7
30°	1702.0	1700.5	1702.0	1703.5	1697.6
32.5°	1633.0	1631.6	1630.1	1631.6	1624.2
35°	1550.9	1549.4	1546.5	1545.0	1539.1
37.5°	1455.5	1452.6	1446.7	1446.7	1440.8
40°	1344.0	1336.6	1329.3	1326.4	1324.9
42.5°	1214.9	1209.0	1198.7	1197.3	1197.3
45°	1084.3	1081.3	1066.7	1065.2	1071.1
47.5°	966.9	959.6	946.4	943.4	952.2
50°	851.0	852.5	840.7	836.3	845.1
52.5°	760.0	757.1	746.8	743.9	751.2
55°	674.9	672.0	664.7	660.3	666.1
57.5°	597.2	595.7	588.4	586.9	589.8
60°	526.7	525.3	519.4	517.9	519.4
62.5°	460.7	460.7	454.8	451.9	456.3
65°	399.1	402.0	396.2	393.2	397.6
67.5°	343.3	346.3	340.4	337.5	343.3
70°	290.5	293.4	287.6	284.6	290.5
72.5°	245.0	246.5	242.1	240.6	248.0
75°	203.9	203.9	201.0	201.0	203.9
77.5°	165.8	164.3	162.9	162.9	159.9
80°	127.6	126.2	126.2	126.2	121.8
82.5°	91.0	88.0	89.5	91.0	83.6
85°	54.3	54.3	54.3	55.8	48.4
87.5°	22.0	22.0	20.5	22.0	19.1
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° - - - 90°-270°



(END OF REPORT)