

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: P1046852

Luminaire Tested: 22PTR-45-PLG-L835-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046852
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-45-PLG-L835-UNV-STD-W
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

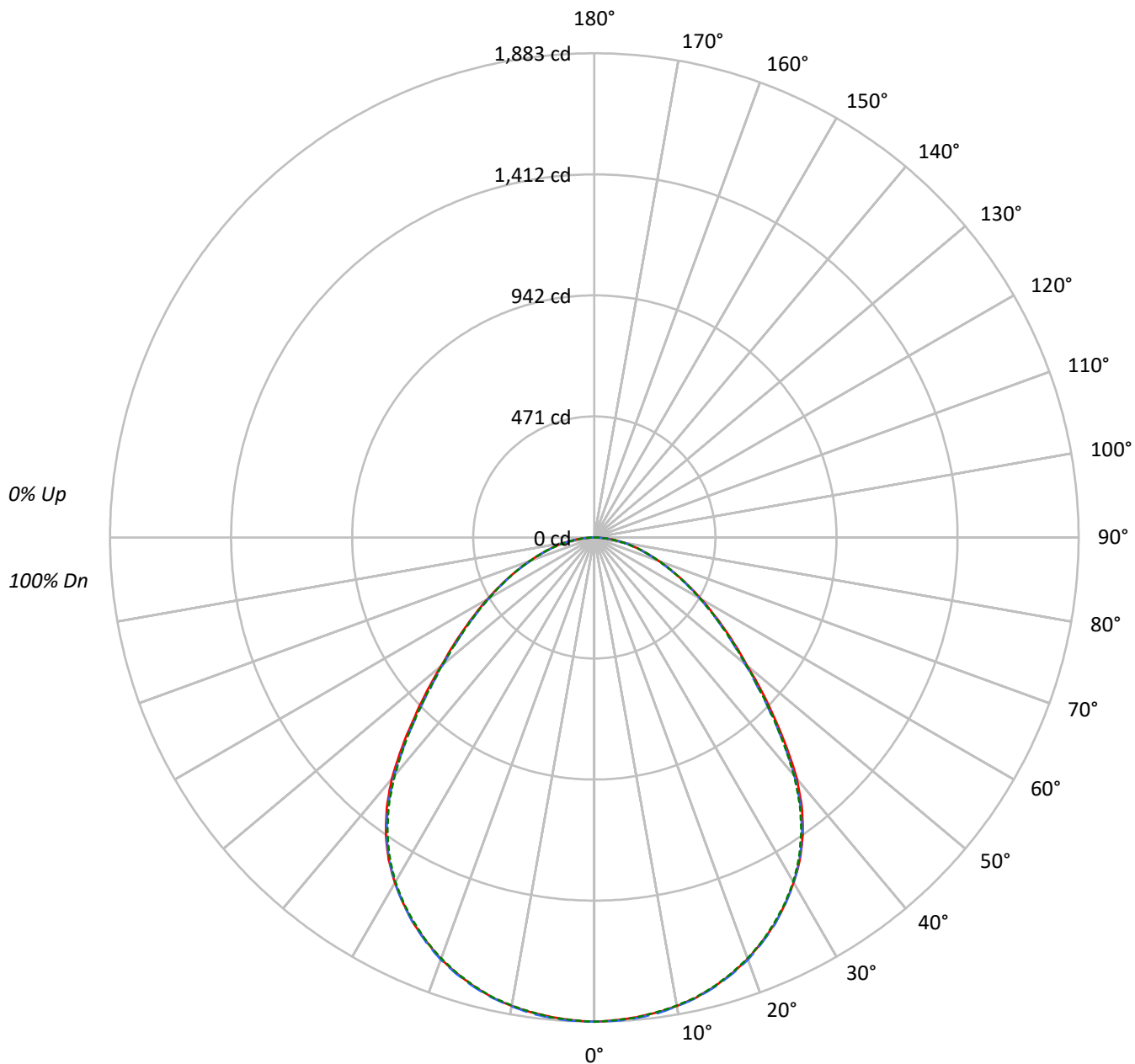
Lumens per Lamp: N/A
Luminaire Lumens: 4243.8 lumens
Efficiency: N/A
Efficacy: 121.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 35
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°	178.3	4.2
10°-20°	510.2	12.0
20°-30°	763.4	18.0
30°-40°	874.7	20.6
40°-50°	756.5	17.8
50°-60°	547.5	12.9
60°-70°	360.6	8.5
70°-80°	196.3	4.6
80°-90°	56.3	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°	1452.0	34.2
0°-40°	2326.6	54.8
0°-60°	3630.6	85.6
0°-90°	4243.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4243.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1883	1883	1883	1883	1883	
5°	1873	1877	1877	1877	1874	178
15°	1807	1808	1810	1812	1806	510
25°	1659	1659	1660	1662	1655	763
35°	1413	1412	1409	1408	1402	878
45°	988	985	972	970	976	765
55°	615	612	606	602	607	553
65°	364	366	361	358	362	363
75°	186	186	183	183	186	198
85°	50	50	50	51	44	57
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1883.4	1883.4	1883.4	1883.4	1883.4
2.5°	1879.4	1883.4	1882.0	1883.4	1879.4
5°	1872.7	1876.7	1876.7	1876.7	1874.0
7.5°	1863.3	1866.0	1867.3	1868.7	1862.0
10°	1850.0	1852.6	1851.3	1854.0	1848.6
12.5°	1832.6	1832.6	1833.9	1836.6	1831.2
15°	1807.2	1808.5	1809.9	1812.5	1805.8
17.5°	1777.8	1779.1	1780.4	1781.8	1776.4
20°	1744.4	1744.4	1747.0	1748.4	1741.7
22.5°	1702.9	1702.9	1705.6	1709.6	1701.6
25°	1658.8	1658.8	1660.1	1661.5	1654.8
27.5°	1606.7	1606.7	1608.0	1612.0	1604.0
30°	1550.5	1549.2	1550.5	1551.9	1546.5
32.5°	1487.7	1486.4	1485.0	1486.4	1479.7
35°	1412.9	1411.5	1408.9	1407.5	1402.2
37.5°	1326.0	1323.3	1318.0	1318.0	1312.6
40°	1224.4	1217.7	1211.0	1208.4	1207.0
42.5°	1106.8	1101.4	1092.1	1090.7	1090.7
45°	987.8	985.1	971.8	970.4	975.8
47.5°	880.9	874.2	862.2	859.5	867.5
50°	775.3	776.6	765.9	761.9	769.9
52.5°	692.4	689.7	680.4	677.7	684.4
55°	614.9	612.2	605.5	601.5	606.8
57.5°	544.0	542.7	536.0	534.7	537.3
60°	479.9	478.5	473.2	471.8	473.2
62.5°	419.7	419.7	414.4	411.7	415.7
65°	363.6	366.2	360.9	358.2	362.2
67.5°	312.8	315.5	310.1	307.4	312.8
70°	264.7	267.3	262.0	259.3	264.7
72.5°	223.2	224.6	220.6	219.2	225.9
75°	185.8	185.8	183.1	183.1	185.8
77.5°	151.0	149.7	148.4	148.4	145.7
80°	116.3	115.0	115.0	115.0	110.9
82.5°	82.9	80.2	81.5	82.9	76.2
85°	49.5	49.5	49.5	50.8	44.1
87.5°	20.1	20.1	18.7	20.1	17.4
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)