

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: P1046685

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

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046685
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-50-L835-UNV-STD-W
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

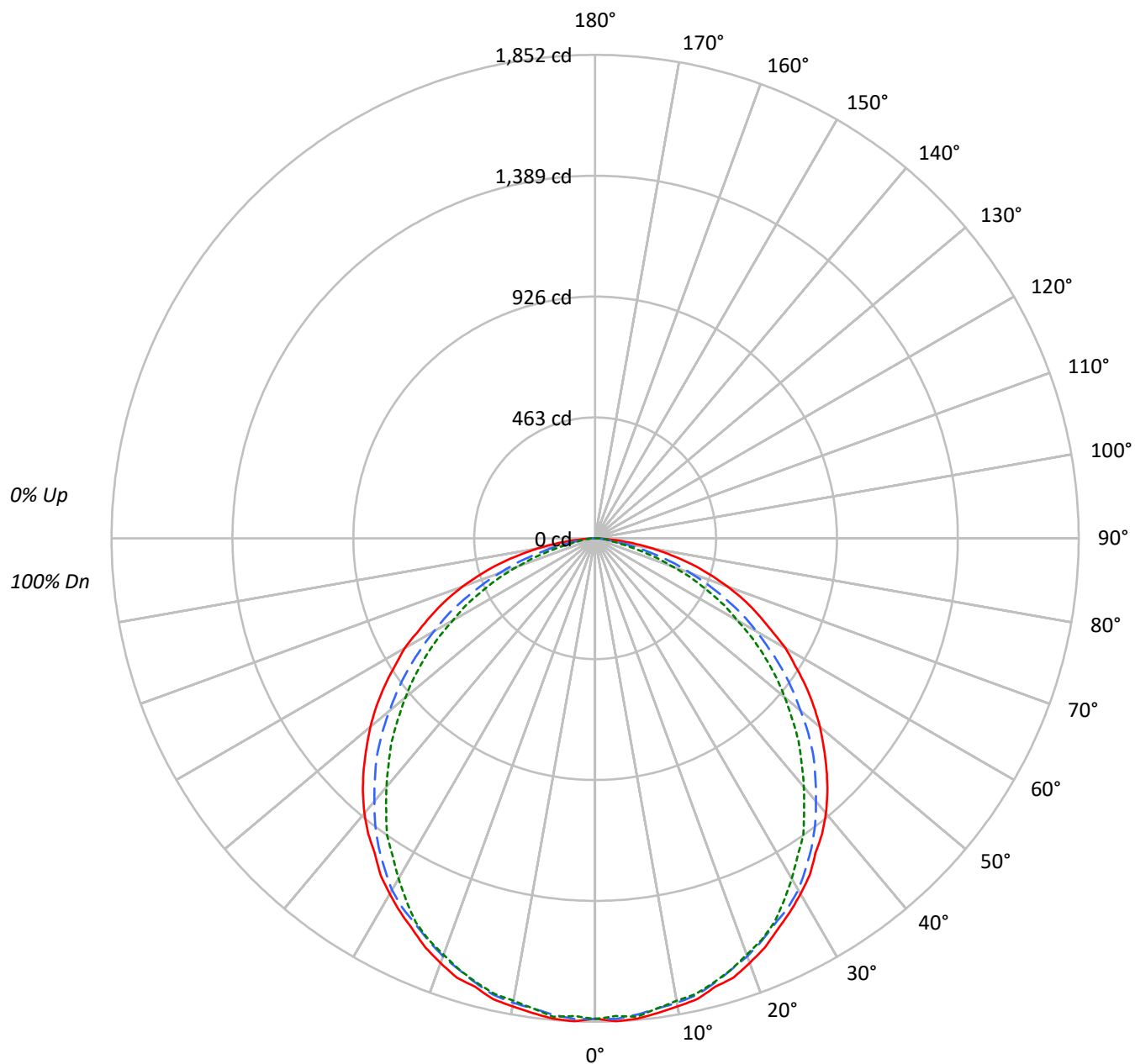
Lumens per Lamp: N/A
Luminaire Lumens: 4903.4 lumens
Efficiency: N/A
Efficacy: 125.7 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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
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		98	95	93			95	92	90			91
2	100	92	85	80	97	90	84	79		87	81	77			83	79	75			80
3	91	81	73	67	89	79	72	66		76	70	65			74	68	64			71
4	84	72	63	57	81	71	63	56		68	61	56			66	60	55			64
5	77	64	56	49	75	63	55	49		61	54	48			59	53	48			57
6	71	58	49	43	69	57	49	43		55	48	42			54	47	42			52
7	66	53	44	38	64	52	44	38		50	43	38			49	42	37			48
8	61	48	40	34	60	47	39	34		46	39	34			45	38	33			44
9	57	44	36	31	56	44	36	30		42	35	30			41	35	30			40
10	54	41	33	28	53	40	33	28		39	32	28			38	32	27			37

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°	174.5	3.6
10°-20°	499.3	10.2
20°-30°	754.2	15.4
30°-40°	896.8	18.3
40°-50°	909.5	18.5
50°-60°	789.8	16.1
60°-70°	560.7	11.4
70°-80°	267.9	5.5
80°-90°	50.8	1.0
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°	1428.1	29.1
0°-40°	2324.8	47.4
0°-60°	4024.1	82.1
0°-90°	4903.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4903.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1841	1841	1841	1841	1841	
5°	1847	1841	1832	1836	1840	175
15°	1778	1783	1764	1762	1761	504
25°	1653	1651	1629	1636	1624	764
35°	1471	1469	1445	1396	1389	925
45°	1253	1242	1183	1120	1102	967
55°	984	954	874	822	794	879
65°	687	636	553	493	475	681
75°	383	312	232	184	163	401
85°	75	40	34	33	32	94
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1840.9	1840.9	1840.9	1840.9	1840.9
2.5°	1851.8	1845.3	1843.1	1850.7	1832.1
5°	1847.4	1840.9	1832.1	1836.5	1839.8
7.5°	1834.3	1828.8	1816.7	1826.6	1816.7
10°	1821.1	1815.7	1806.9	1810.2	1799.2
12.5°	1808.0	1794.8	1792.6	1794.8	1787.1
15°	1778.4	1782.8	1764.1	1761.9	1760.8
17.5°	1764.1	1753.2	1733.4	1734.5	1732.3
20°	1731.2	1718.1	1703.8	1701.6	1697.2
22.5°	1697.2	1681.9	1668.7	1675.3	1665.4
25°	1653.4	1651.2	1629.3	1635.8	1623.8
27.5°	1615.0	1607.3	1597.5	1583.2	1565.7
30°	1573.3	1565.7	1555.8	1518.5	1505.4
32.5°	1529.5	1520.7	1501.0	1457.1	1442.9
35°	1471.4	1469.2	1445.1	1395.7	1389.1
37.5°	1427.5	1403.4	1383.7	1333.2	1314.6
40°	1374.9	1361.7	1315.7	1267.4	1243.3
42.5°	1316.8	1301.4	1248.8	1197.3	1171.0
45°	1253.2	1242.2	1183.0	1120.5	1101.9
47.5°	1187.4	1177.5	1107.4	1047.1	1022.9
50°	1123.8	1111.8	1027.3	969.2	947.3
52.5°	1054.7	1035.0	951.7	894.7	873.8
55°	983.5	953.9	873.8	822.3	793.8
57.5°	907.8	880.4	791.6	737.9	714.9
60°	842.0	803.7	712.7	657.8	628.2
62.5°	757.6	724.7	638.1	573.4	559.2
65°	687.4	635.9	552.6	493.4	474.7
67.5°	616.2	555.9	471.5	411.2	401.3
70°	538.3	475.8	389.2	330.0	313.6
72.5°	459.4	398.0	313.6	251.1	241.2
75°	382.6	312.5	232.4	184.2	163.4
77.5°	299.3	235.7	163.4	112.9	99.8
80°	222.6	159.0	94.3	66.9	65.8
82.5°	145.8	92.1	50.4	51.5	49.3
85°	74.6	39.5	34.0	32.9	31.8
87.5°	14.3	15.3	16.4	16.4	16.4
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)