

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: P1046684

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

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046684
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-45-L835-UNV-STD-W
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

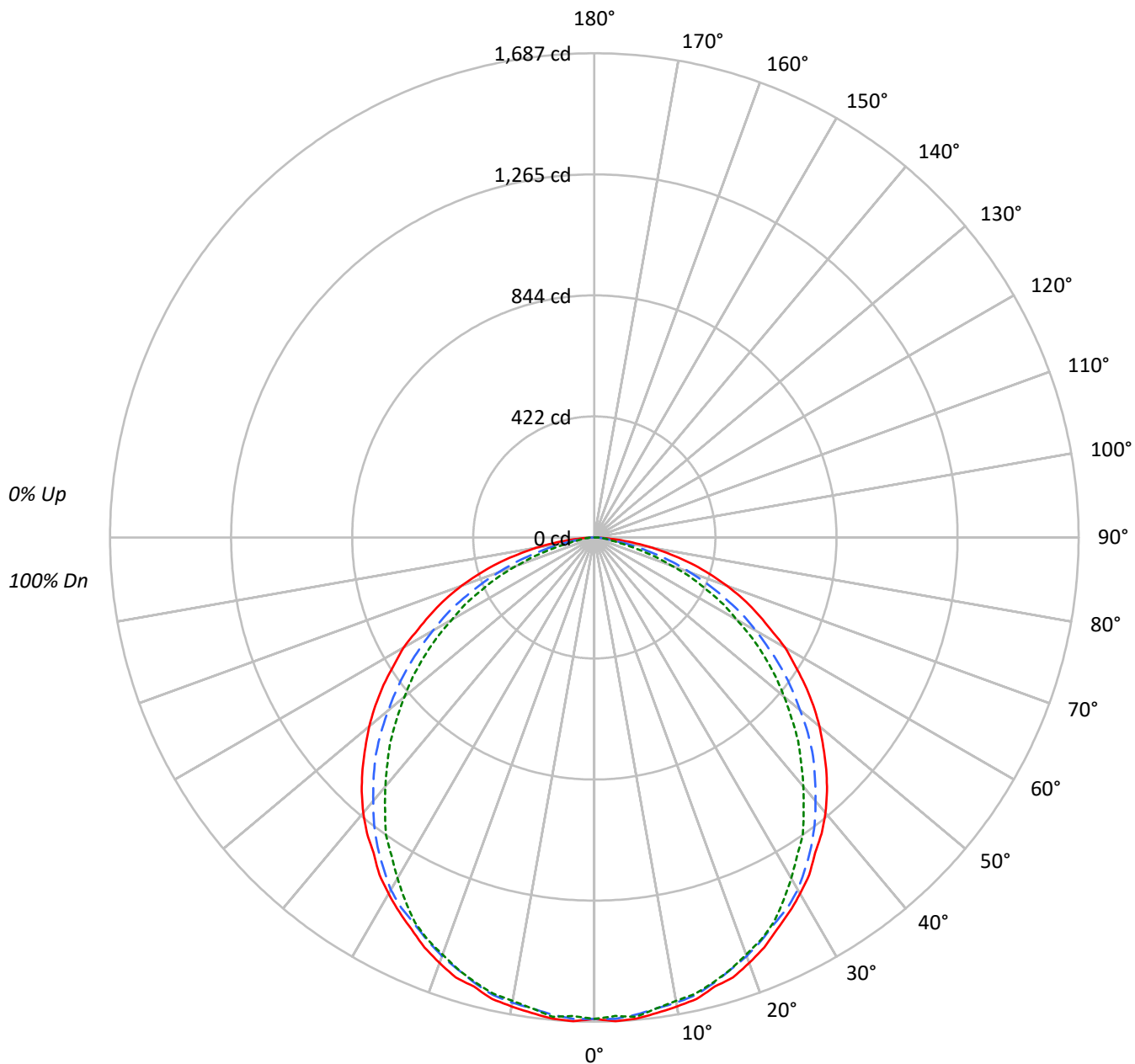
Lumens per Lamp: N/A
Luminaire Lumens: 4467.2 lumens
Efficiency: N/A
Efficacy: 127.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1046684

CATALOG NUMBER: 22PTR-45-L835-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1046684

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

TEST NUMBER: P1046684

CATALOG NUMBER: 22PTR-45-L835-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.0	3.6
10°-20°	454.9	10.2
20°-30°	687.1	15.4
30°-40°	817.0	18.3
40°-50°	828.6	18.5
50°-60°	719.5	16.1
60°-70°	510.8	11.4
70°-80°	244.1	5.5
80°-90°	46.3	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°	1301.0	29.1
0°-40°	2118.0	47.4
0°-60°	3666.0	82.1
0°-90°	4467.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4467.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1677	1677	1677	1677	1677	
5°	1683	1677	1669	1673	1676	160
15°	1620	1624	1607	1605	1604	459
25°	1506	1504	1484	1490	1479	696
35°	1340	1338	1316	1272	1266	842
45°	1142	1132	1078	1021	1004	881
55°	896	869	796	749	723	801
65°	626	579	503	450	432	620
75°	349	285	212	168	149	366
85°	68	36	31	30	29	86
90°	0	0	0	0	0	

TEST NUMBER: P1046684

CATALOG NUMBER: 22PTR-45-L835-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1677.1	1677.1	1677.1	1677.1	1677.1
2.5°	1687.1	1681.1	1679.1	1686.1	1669.1
5°	1683.1	1677.1	1669.1	1673.1	1676.1
7.5°	1671.1	1666.1	1655.1	1664.1	1655.1
10°	1659.1	1654.1	1646.1	1649.1	1639.1
12.5°	1647.1	1635.1	1633.1	1635.1	1628.1
15°	1620.1	1624.1	1607.1	1605.1	1604.1
17.5°	1607.1	1597.2	1579.2	1580.2	1578.2
20°	1577.2	1565.2	1552.2	1550.2	1546.2
22.5°	1546.2	1532.2	1520.2	1526.2	1517.2
25°	1506.3	1504.3	1484.3	1490.3	1479.3
27.5°	1471.3	1464.3	1455.3	1442.3	1426.4
30°	1433.3	1426.4	1417.4	1383.4	1371.4
32.5°	1393.4	1385.4	1367.4	1327.5	1314.5
35°	1340.5	1338.5	1316.5	1271.5	1265.5
37.5°	1300.5	1278.5	1260.5	1214.6	1197.6
40°	1252.6	1240.6	1198.6	1154.7	1132.7
42.5°	1199.6	1185.6	1137.7	1090.7	1066.8
45°	1141.7	1131.7	1077.8	1020.8	1003.8
47.5°	1081.8	1072.8	1008.8	953.9	931.9
50°	1023.8	1012.8	935.9	883.0	863.0
52.5°	960.9	942.9	867.0	815.1	796.1
55°	896.0	869.0	796.1	749.1	723.2
57.5°	827.0	802.1	721.2	672.2	651.2
60°	767.1	732.2	649.3	599.3	572.3
62.5°	690.2	660.2	581.3	522.4	509.4
65°	626.3	579.3	503.4	449.5	432.5
67.5°	561.4	506.4	429.5	374.6	365.6
70°	490.4	433.5	354.6	300.7	285.7
72.5°	418.5	362.6	285.7	228.7	219.7
75°	348.6	284.7	211.8	167.8	148.8
77.5°	272.7	214.8	148.8	102.9	90.9
80°	202.8	144.8	85.9	60.9	59.9
82.5°	132.8	83.9	45.9	46.9	44.9
85°	67.9	36.0	31.0	30.0	29.0
87.5°	13.0	14.0	15.0	15.0	15.0
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)