

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: P1046768

Luminaire Tested: 22PTR-45-PC3-L835-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046768
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-45-PC3-L835-UNV-STD-W
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

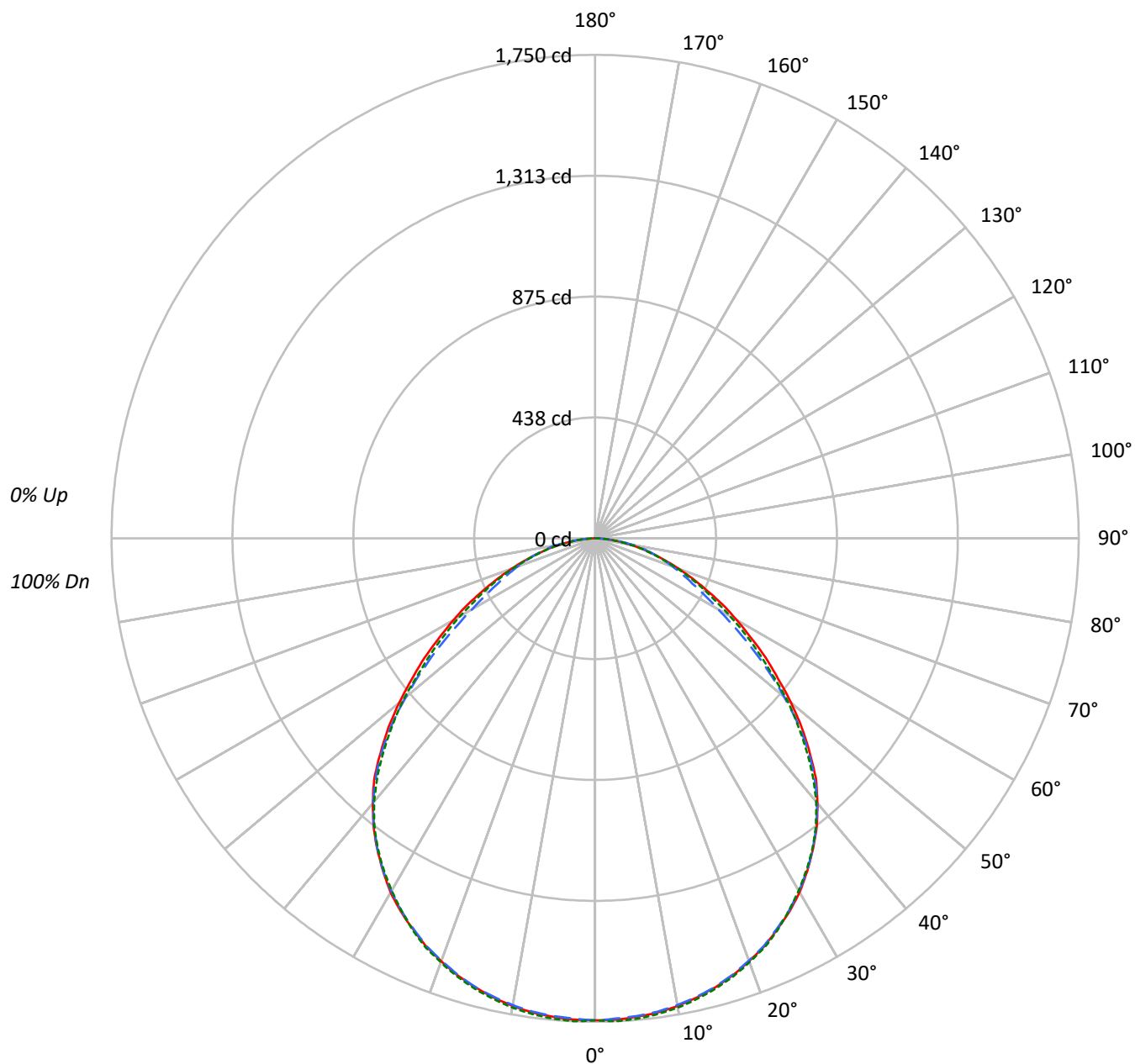
Lumens per Lamp: N/A
Luminaire Lumens: 4399.9 lumens
Efficiency: N/A
Efficacy: 125.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 35
Input Voltage (V): 120
Input Current (A_{in}): 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	110	105	101	98	107	103	99	96		99	96	93			95	92	90			91
2	100	93	86	81	98	91	85	80		87	82	78			84	80	76			81
3	92	82	74	68	90	80	73	68		77	71	66			75	70	65			72
4	85	73	65	58	82	72	64	58		69	63	57			67	61	56			65
5	78	66	57	51	76	65	56	50		62	55	50			61	54	49			59
6	72	59	51	45	70	58	50	44		57	49	44			55	49	44			53
7	67	54	46	40	65	53	45	39		52	44	39			50	44	39			49
8	62	49	41	35	61	49	41	35		47	40	35			46	40	35			45
9	58	45	37	32	57	45	37	32		44	37	32			43	36	32			42
10	55	42	34	29	54	41	34	29		40	34	29			40	33	29			39

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°	165.5	3.8
10°-20°	475.1	10.8
20°-30°	719.3	16.3
30°-40°	857.6	19.5
40°-50°	838.0	19.0
50°-60°	640.8	14.6
60°-70°	411.4	9.4
70°-80°	228.9	5.2
80°-90°	63.2	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°	1360.0	30.9
0°-40°	2217.6	50.4
0°-60°	3696.4	84.0
0°-90°	4399.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4399.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1745	1745	1745	1745	1745	
5°	1739	1740	1736	1744	1746	165
15°	1682	1684	1680	1686	1688	475
25°	1561	1562	1558	1563	1564	720
35°	1375	1376	1373	1373	1371	859
45°	1099	1101	1090	1088	1079	845
55°	753	727	692	700	723	673
65°	447	412	389	402	429	446
75°	215	217	218	216	210	230
85°	47	55	56	54	47	57
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1745.2	1745.2	1745.2	1745.2	1745.2
2.5°	1744.1	1744.8	1740.2	1747.7	1750.2
5°	1739.1	1740.2	1735.9	1744.1	1745.9
7.5°	1731.6	1732.7	1728.4	1736.6	1737.3
10°	1719.1	1719.8	1716.0	1724.1	1725.3
12.5°	1702.4	1704.2	1699.9	1707.3	1707.8
15°	1682.2	1683.5	1680.4	1686.0	1687.8
17.5°	1658.6	1659.3	1656.1	1662.2	1662.9
20°	1629.1	1629.1	1626.6	1633.6	1633.6
22.5°	1599.2	1597.3	1596.7	1599.2	1603.0
25°	1560.6	1562.4	1558.1	1563.1	1564.2
27.5°	1523.2	1523.2	1519.3	1521.8	1518.6
30°	1480.1	1477.6	1475.1	1475.6	1472.6
32.5°	1428.2	1428.2	1427.0	1427.0	1423.2
35°	1374.6	1375.8	1373.3	1372.6	1370.8
37.5°	1317.0	1319.1	1314.5	1313.4	1312.0
40°	1251.5	1251.5	1249.7	1247.2	1244.0
42.5°	1183.4	1183.4	1175.5	1169.1	1164.8
45°	1098.6	1101.1	1090.5	1088.0	1079.3
47.5°	1014.2	1012.4	998.1	996.3	991.3
50°	924.4	913.8	893.4	898.8	903.3
52.5°	834.6	821.5	791.5	797.7	805.1
55°	752.7	726.7	691.7	700.4	722.8
57.5°	667.2	632.3	597.4	613.7	641.6
60°	591.7	552.5	514.4	531.8	564.3
62.5°	519.4	477.6	447.0	463.8	491.2
65°	447.0	412.5	389.0	401.9	428.9
67.5°	380.8	357.7	341.6	347.7	369.5
70°	320.9	306.4	297.8	299.6	312.1
72.5°	264.0	260.4	257.2	257.2	258.3
75°	214.8	216.6	218.4	215.5	210.5
77.5°	169.2	175.3	179.9	173.5	167.4
80°	124.3	134.3	139.9	132.9	123.6
82.5°	84.8	96.2	98.0	93.7	83.0
85°	46.7	54.9	55.6	53.8	46.7
87.5°	17.5	20.6	22.5	20.6	18.1
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)