

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: P1046763

Luminaire Tested: 22PTR-45-PC3-L830-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046763
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-L830-UNV-STD-W
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

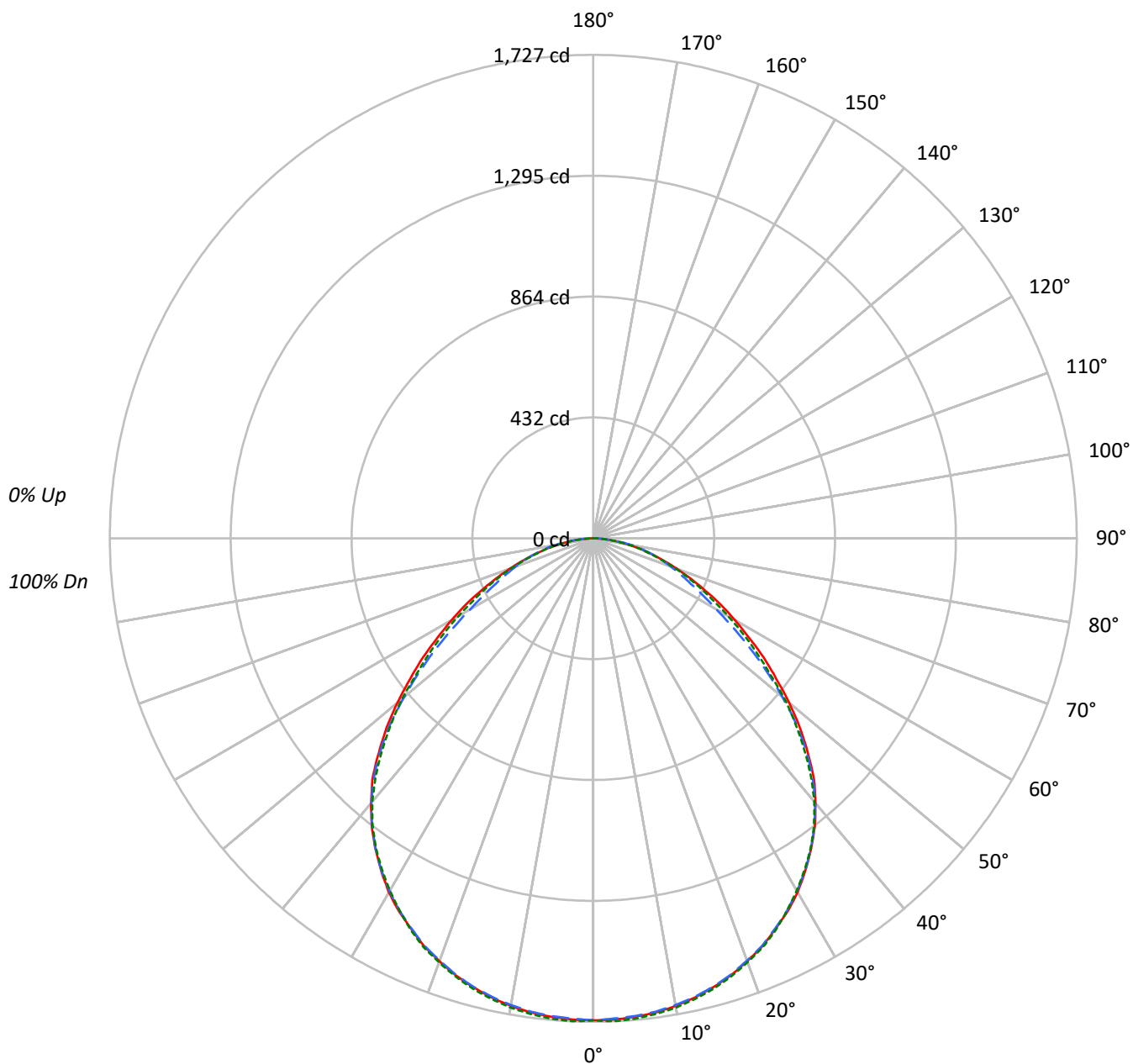
Lumens per Lamp: N/A
Luminaire Lumens: 4341.7 lumens
Efficiency: N/A
Efficacy: 124.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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°	163.3	3.8
10°-20°	468.8	10.8
20°-30°	709.8	16.3
30°-40°	846.3	19.5
40°-50°	826.9	19.0
50°-60°	632.3	14.6
60°-70°	406.0	9.4
70°-80°	225.8	5.2
80°-90°	62.4	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°	1342.0	30.9
0°-40°	2188.3	50.4
0°-60°	3647.5	84.0
0°-90°	4341.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4341.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1722	1722	1722	1722	1722	
5°	1716	1717	1713	1721	1723	163
15°	1660	1661	1658	1664	1666	468
25°	1540	1542	1538	1542	1544	710
35°	1356	1358	1355	1354	1353	847
45°	1084	1086	1076	1074	1065	834
55°	743	717	683	691	713	664
65°	441	407	384	397	423	440
75°	212	214	216	213	208	226
85°	46	54	55	53	46	57
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1722.1	1722.1	1722.1	1722.1	1722.1
2.5°	1721.0	1721.7	1717.2	1724.6	1727.1
5°	1716.1	1717.2	1713.0	1721.0	1722.8
7.5°	1708.7	1709.8	1705.6	1713.6	1714.3
10°	1696.4	1697.1	1693.3	1701.3	1702.4
12.5°	1679.8	1681.6	1677.4	1684.8	1685.2
15°	1659.9	1661.3	1658.1	1663.7	1665.5
17.5°	1636.6	1637.3	1634.2	1640.2	1640.9
20°	1607.5	1607.5	1605.1	1612.0	1612.0
22.5°	1578.0	1576.2	1575.5	1578.0	1581.8
25°	1540.0	1541.8	1537.5	1542.4	1543.5
27.5°	1503.0	1503.0	1499.2	1501.7	1498.6
30°	1460.5	1458.1	1455.6	1456.0	1453.1
32.5°	1409.3	1409.3	1408.1	1408.1	1404.3
35°	1356.4	1357.6	1355.1	1354.4	1352.6
37.5°	1299.6	1301.6	1297.1	1296.0	1294.7
40°	1234.9	1234.9	1233.1	1230.7	1227.5
42.5°	1167.8	1167.8	1160.0	1153.7	1149.4
45°	1084.1	1086.5	1076.0	1073.6	1065.1
47.5°	1000.8	999.0	984.9	983.1	978.2
50°	912.2	901.7	881.5	886.9	891.4
52.5°	823.6	810.6	781.1	787.1	794.5
55°	742.8	717.1	682.6	691.1	713.2
57.5°	658.4	624.0	589.5	605.6	633.1
60°	583.9	545.2	507.6	524.8	556.8
62.5°	512.5	471.3	441.1	457.7	484.7
65°	441.1	407.1	383.8	396.6	423.2
67.5°	375.8	352.9	337.0	343.1	364.6
70°	316.7	302.4	293.8	295.6	307.9
72.5°	260.5	256.9	253.8	253.8	254.9
75°	211.9	213.7	215.5	212.6	207.7
77.5°	167.0	173.0	177.5	171.2	165.2
80°	122.6	132.5	138.1	131.1	122.0
82.5°	83.7	94.9	96.7	92.4	81.9
85°	46.1	54.2	54.8	53.0	46.1
87.5°	17.2	20.4	22.2	20.4	17.9
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°



(END OF REPORT)