

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: P1046788

Luminaire Tested: 22PTR-45-PC3-L935-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046788
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-L935-UNV-STD-W
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

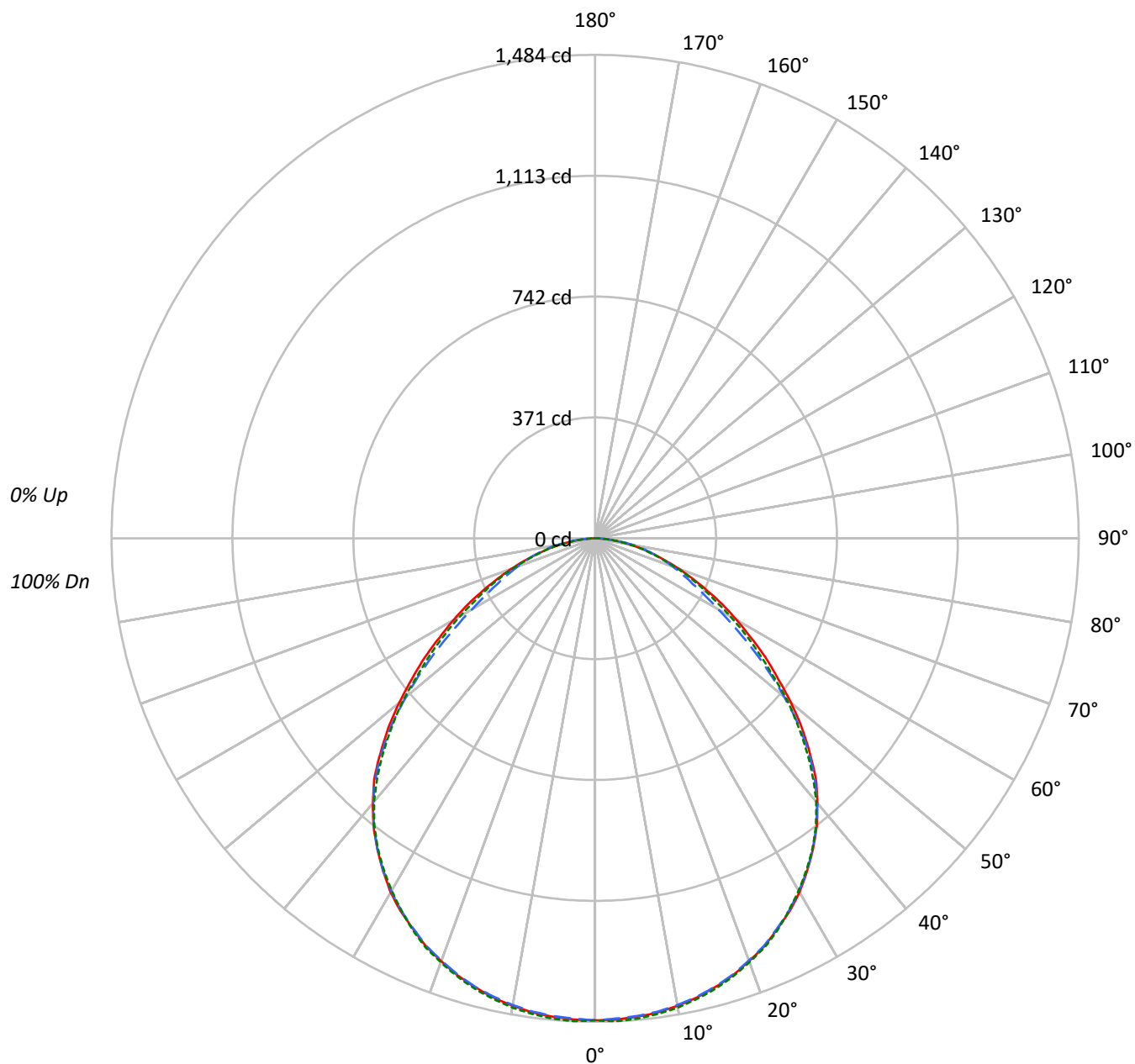
Lumens per Lamp: N/A
Luminaire Lumens: 3730.6 lumens
Efficiency: N/A
Efficacy: 106.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 35
Input Voltage (V): 120
Input Current (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	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°	140.4	3.8
10°-20°	402.9	10.8
20°-30°	609.9	16.3
30°-40°	727.2	19.5
40°-50°	710.5	19.0
50°-60°	543.3	14.6
60°-70°	348.8	9.4
70°-80°	194.1	5.2
80°-90°	53.6	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°	1153.1	30.9
0°-40°	1880.3	50.4
0°-60°	3134.1	84.0
0°-90°	3730.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3730.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1480	1480	1480	1480	1480	
5°	1475	1476	1472	1479	1480	140
15°	1426	1427	1425	1430	1431	403
25°	1323	1325	1321	1325	1326	610
35°	1166	1166	1164	1164	1162	728
45°	932	934	925	922	915	717
55°	638	616	586	594	613	570
65°	379	350	330	341	364	378
75°	182	184	185	183	178	195
85°	40	46	47	46	40	49
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1479.7	1479.7	1479.7	1479.7	1479.7
2.5°	1478.8	1479.4	1475.5	1481.9	1484.0
5°	1474.6	1475.5	1471.9	1478.8	1480.3
7.5°	1468.2	1469.2	1465.5	1472.4	1473.0
10°	1457.6	1458.2	1454.9	1461.9	1462.8
12.5°	1443.4	1444.9	1441.3	1447.6	1448.0
15°	1426.3	1427.4	1424.7	1429.6	1431.1
17.5°	1406.3	1406.9	1404.2	1409.4	1409.9
20°	1381.3	1381.3	1379.2	1385.1	1385.1
22.5°	1355.9	1354.4	1353.8	1355.9	1359.2
25°	1323.2	1324.7	1321.1	1325.3	1326.3
27.5°	1291.5	1291.5	1288.2	1290.3	1287.6
30°	1254.9	1252.8	1250.7	1251.1	1248.6
32.5°	1210.9	1210.9	1209.9	1209.9	1206.7
35°	1165.5	1166.5	1164.4	1163.8	1162.3
37.5°	1116.7	1118.4	1114.6	1113.6	1112.5
40°	1061.1	1061.1	1059.6	1057.5	1054.8
42.5°	1003.4	1003.4	996.7	991.3	987.6
45°	931.5	933.6	924.6	922.5	915.2
47.5°	860.0	858.4	846.3	844.8	840.5
50°	783.8	774.8	757.5	762.1	765.9
52.5°	707.7	696.5	671.1	676.3	682.7
55°	638.2	616.1	586.5	593.8	612.9
57.5°	565.7	536.1	506.5	520.4	544.0
60°	501.7	468.4	436.1	450.9	478.4
62.5°	440.4	405.0	379.0	393.3	416.5
65°	379.0	349.8	329.8	340.8	363.6
67.5°	322.9	303.3	289.6	294.8	313.3
70°	272.1	259.8	252.5	254.0	264.6
72.5°	223.8	220.8	218.1	218.1	219.0
75°	182.1	183.6	185.2	182.7	178.5
77.5°	143.5	148.6	152.5	147.1	141.9
80°	105.4	113.8	118.6	112.7	104.8
82.5°	71.9	81.5	83.1	79.4	70.4
85°	39.6	46.5	47.1	45.6	39.6
87.5°	14.8	17.5	19.0	17.5	15.4
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)