

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: P1046830

Luminaire Tested: 22PTR-45-PL1-L935-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046830
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-45-PL1-L935-UNV-STD-W
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

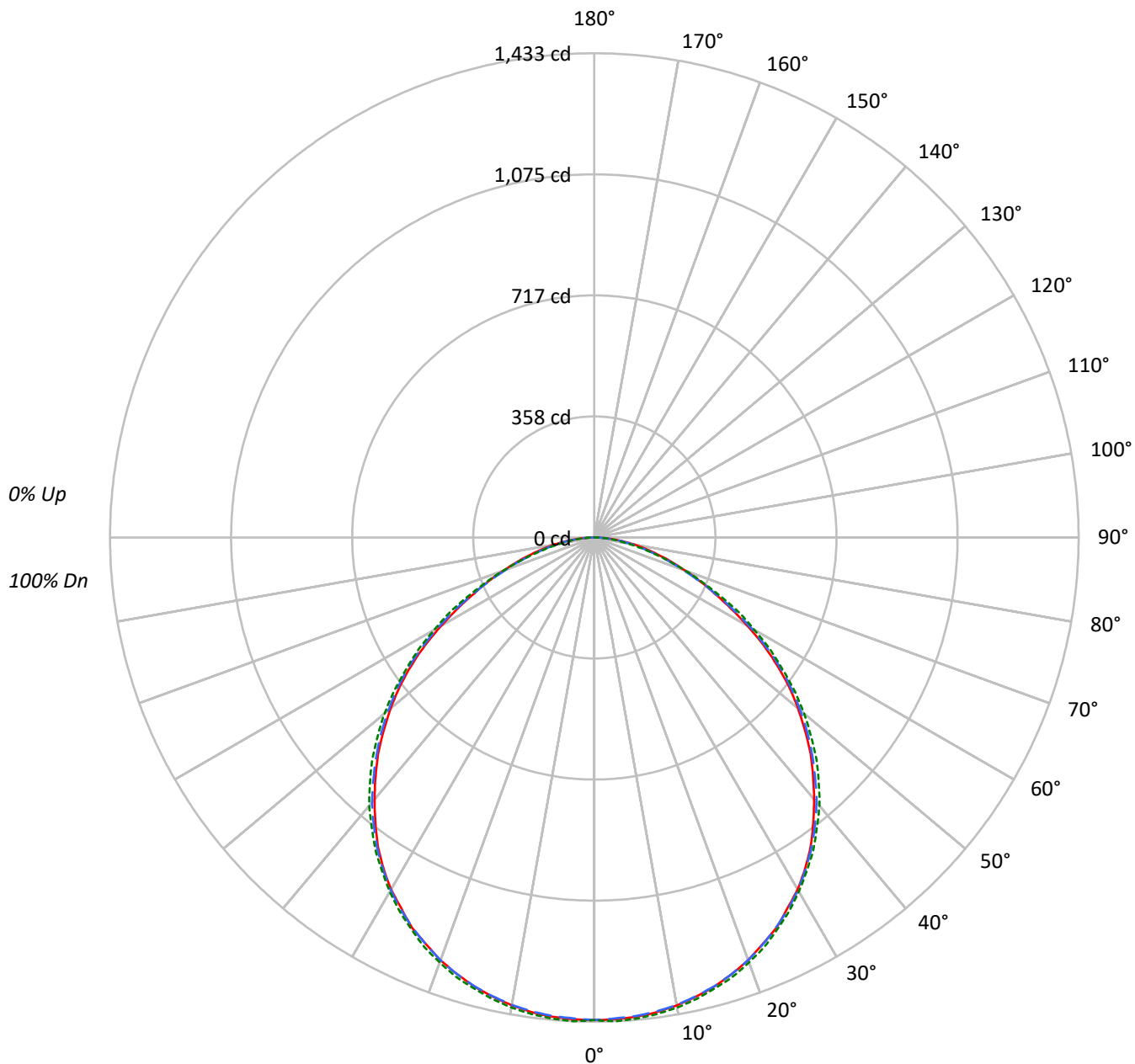
Lumens per Lamp: N/A
Luminaire Lumens: 3765.6 lumens
Efficiency: N/A
Efficacy: 107.6 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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

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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	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	94	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61		
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52		
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46		
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40		
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29		
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	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: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.5	3.6
10°-20°	388.6	10.3
20°-30°	587.9	15.6
30°-40°	700.7	18.6
40°-50°	704.6	18.7
50°-60°	598.0	15.9
60°-70°	398.2	10.6
70°-80°	198.8	5.3
80°-90°	53.2	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°	1112.0	29.5
0°-40°	1812.8	48.1
0°-60°	3115.4	82.7
0°-90°	3765.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3765.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1428	1428	1428	1428	1428	
5°	1424	1425	1422	1428	1430	135
15°	1375	1377	1374	1380	1381	388
25°	1275	1275	1273	1279	1280	586
35°	1116	1117	1120	1128	1130	696
45°	904	906	912	924	930	696
55°	661	665	671	678	679	589
65°	392	395	396	402	412	393
75°	194	191	182	178	179	208
85°	50	49	46	43	39	58
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1428.5	1428.5	1428.5	1428.5	1428.5
2.5°	1427.4	1428.5	1424.7	1431.6	1433.3
5°	1424.3	1424.7	1421.6	1428.0	1429.5
7.5°	1417.4	1418.0	1414.7	1421.6	1422.6
10°	1406.2	1407.4	1404.7	1411.0	1412.6
12.5°	1392.0	1393.5	1390.8	1397.8	1398.9
15°	1375.1	1376.6	1374.5	1380.3	1381.4
17.5°	1354.3	1355.4	1354.3	1359.7	1362.8
20°	1331.0	1331.0	1331.0	1335.8	1338.5
22.5°	1302.0	1304.7	1303.5	1309.9	1312.6
25°	1275.1	1275.1	1273.3	1279.3	1280.3
27.5°	1237.4	1241.6	1241.2	1246.4	1247.6
30°	1202.9	1204.1	1204.7	1208.3	1210.4
32.5°	1161.2	1162.2	1163.9	1169.1	1169.7
35°	1116.2	1117.4	1120.4	1128.3	1129.5
37.5°	1063.9	1069.7	1072.4	1080.8	1081.8
40°	1011.4	1015.0	1023.1	1032.0	1036.2
42.5°	957.9	962.2	967.0	979.1	982.9
45°	904.5	906.0	912.0	924.1	929.5
47.5°	845.2	850.0	855.2	865.8	869.1
50°	786.0	791.2	794.5	803.9	810.2
52.5°	726.2	731.0	734.7	740.4	746.8
55°	660.6	665.2	671.2	677.5	679.1
57.5°	593.9	599.1	602.9	609.6	616.6
60°	522.3	528.3	533.5	539.8	546.8
62.5°	455.8	458.3	463.7	474.3	484.3
65°	392.1	395.4	396.4	402.3	412.3
67.5°	339.2	339.2	334.4	336.6	347.7
70°	283.7	281.6	277.9	275.8	284.8
72.5°	238.7	236.0	228.1	224.4	229.2
75°	193.7	191.0	182.5	178.3	178.9
77.5°	155.6	151.4	144.4	137.1	135.6
80°	118.1	116.4	109.6	102.7	97.3
82.5°	83.7	80.0	76.2	71.9	67.7
85°	50.2	49.2	45.6	42.9	39.2
87.5°	20.6	20.6	19.6	18.5	17.5
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°



(END OF REPORT)