

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: P1046831

Luminaire Tested: 22PTR-50-PL1-L935-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046831
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-50-PL1-L935-UNV-STD-W
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

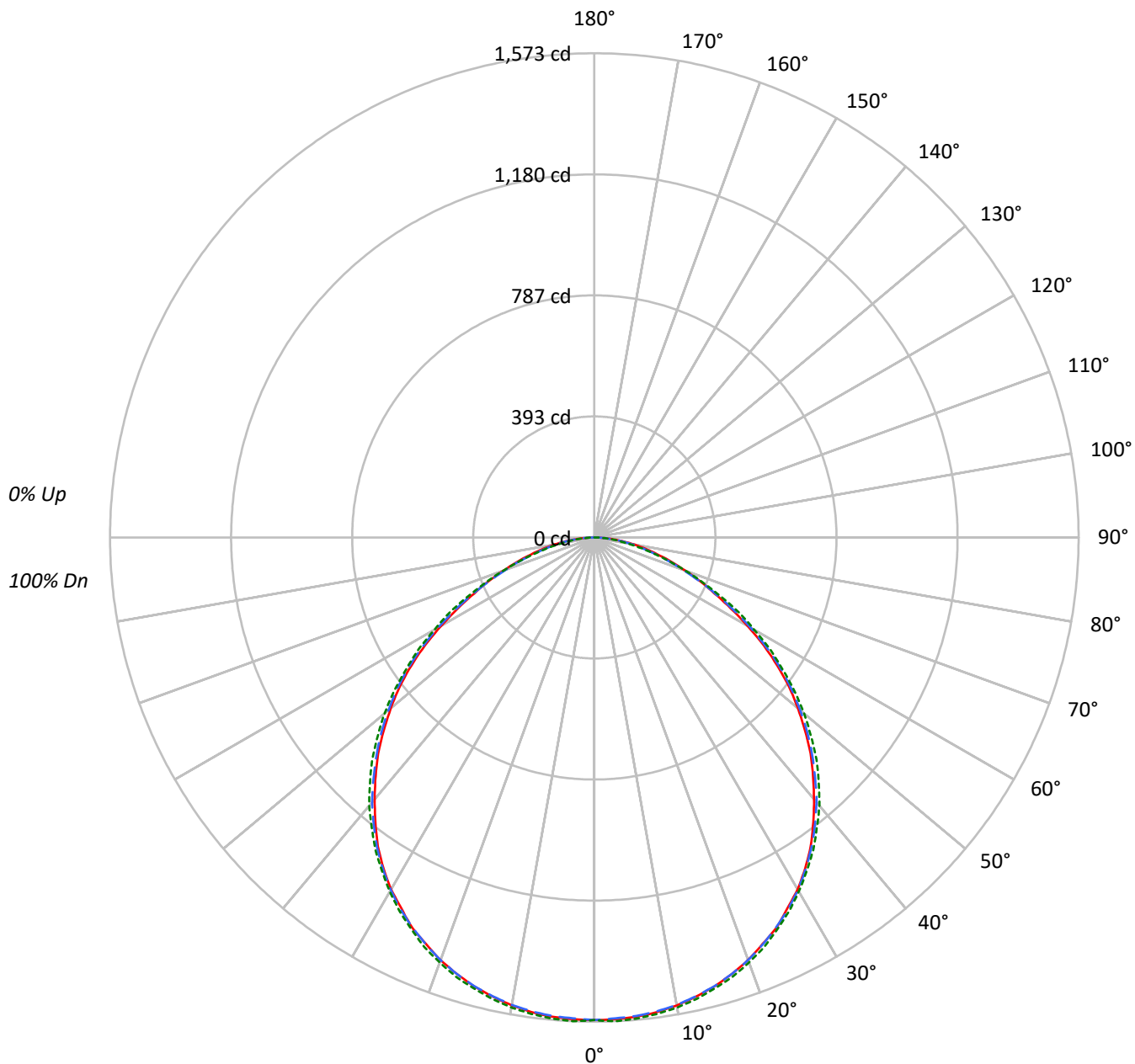
Lumens per Lamp: N/A
Luminaire Lumens: 4133.2 lumens
Efficiency: N/A
Efficacy: 106.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 39
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°	148.7	3.6
10°-20°	426.6	10.3
20°-30°	645.3	15.6
30°-40°	769.1	18.6
40°-50°	773.4	18.7
50°-60°	656.4	15.9
60°-70°	437.0	10.6
70°-80°	218.2	5.3
80°-90°	58.4	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°	1220.6	29.5
0°-40°	1989.7	48.1
0°-60°	3419.5	82.7
0°-90°	4133.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4133.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1568	1568	1568	1568	1568	
5°	1563	1564	1560	1567	1569	149
15°	1509	1511	1509	1515	1516	426
25°	1400	1400	1398	1404	1405	643
35°	1225	1226	1230	1238	1240	764
45°	993	994	1001	1014	1020	764
55°	725	730	737	744	745	646
65°	430	434	435	442	453	431
75°	213	210	200	196	196	228
85°	55	54	50	47	43	64
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1568.0	1568.0	1568.0	1568.0	1568.0
2.5°	1566.7	1568.0	1563.8	1571.4	1573.3
5°	1563.4	1563.8	1560.4	1567.4	1569.1
7.5°	1555.8	1556.4	1552.8	1560.4	1561.5
10°	1543.5	1544.8	1541.8	1548.8	1550.5
12.5°	1527.9	1529.6	1526.6	1534.2	1535.5
15°	1509.3	1511.0	1508.7	1515.0	1516.3
17.5°	1486.5	1487.8	1486.5	1492.4	1495.8
20°	1461.0	1461.0	1461.0	1466.3	1469.2
22.5°	1429.1	1432.1	1430.8	1437.8	1440.7
25°	1399.5	1399.5	1397.6	1404.2	1405.2
27.5°	1358.2	1362.8	1362.4	1368.1	1369.4
30°	1320.4	1321.7	1322.3	1326.3	1328.6
32.5°	1274.6	1275.6	1277.5	1283.2	1283.9
35°	1225.2	1226.4	1229.8	1238.5	1239.7
37.5°	1167.8	1174.1	1177.1	1186.3	1187.4
40°	1110.1	1114.1	1123.0	1132.7	1137.4
42.5°	1051.5	1056.1	1061.4	1074.7	1078.9
45°	992.8	994.5	1001.0	1014.3	1020.2
47.5°	927.8	933.0	938.7	950.3	953.9
50°	862.7	868.4	872.0	882.4	889.3
52.5°	797.1	802.4	806.4	812.7	819.7
55°	725.1	730.2	736.7	743.7	745.4
57.5°	651.9	657.6	661.8	669.2	676.8
60°	573.3	579.9	585.6	592.5	600.1
62.5°	500.3	503.0	508.9	520.6	531.5
65°	430.4	434.0	435.1	441.6	452.6
67.5°	372.4	372.4	367.1	369.4	381.7
70°	311.4	309.0	305.0	302.7	312.6
72.5°	262.0	259.0	250.4	246.3	251.6
75°	212.6	209.6	200.3	195.7	196.3
77.5°	170.8	166.1	158.5	150.5	148.8
80°	129.6	127.7	120.3	112.7	106.8
82.5°	91.8	87.8	83.6	78.9	74.3
85°	55.1	54.0	50.0	47.1	43.1
87.5°	22.6	22.6	21.5	20.3	19.2
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°



(END OF REPORT)