

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: P1046705

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

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046705
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-50-L935-UNV-STD-W
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

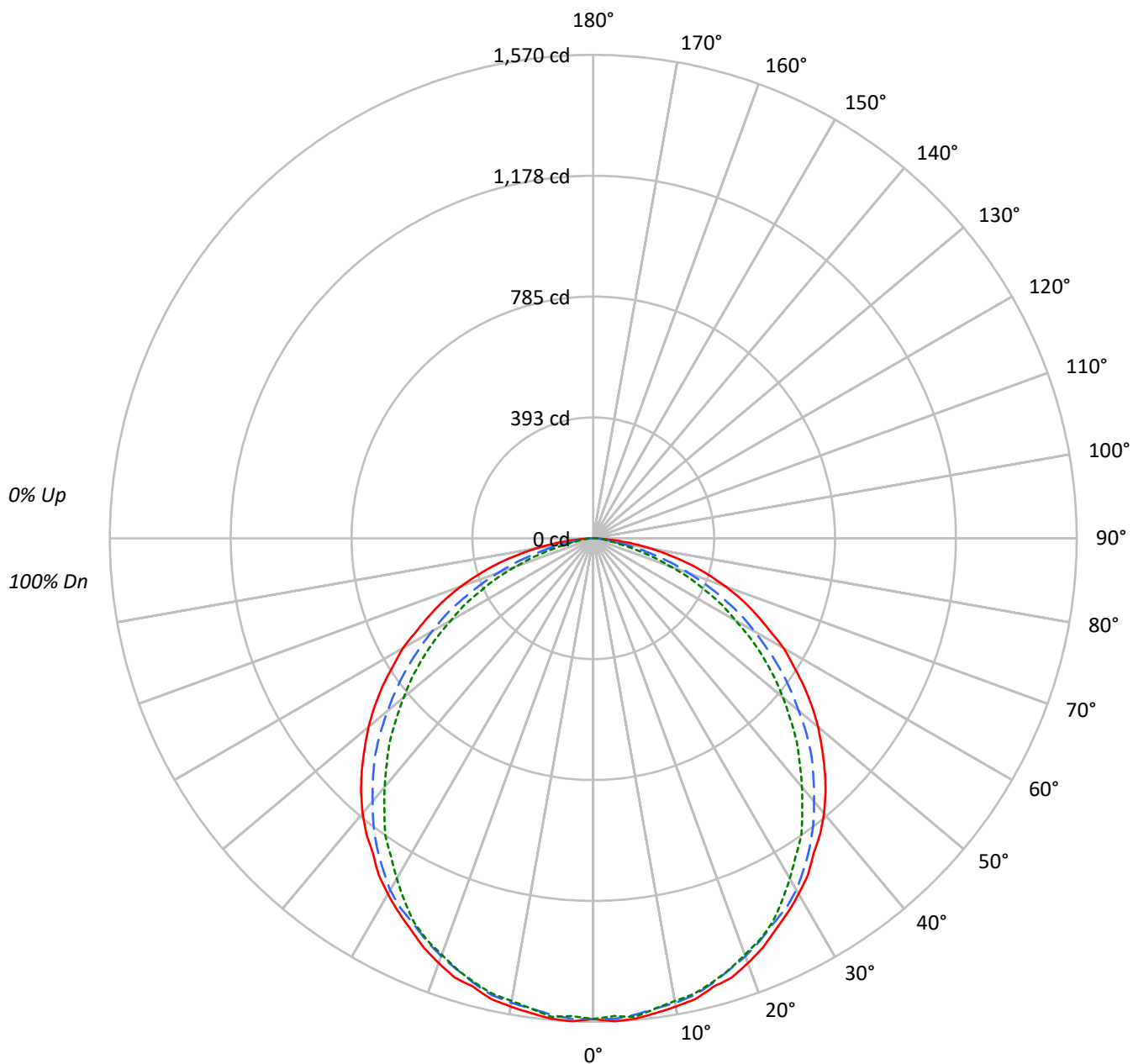
Lumens per Lamp: N/A
Luminaire Lumens: 4157.4 lumens
Efficiency: N/A
Efficacy: 106.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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

TEST NUMBER: P1046705

CATALOG NUMBER: 22PTR-50-L935-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1046705

CATALOG NUMBER: 22PTR-50-L935-UNV-STD-W

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	95	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52		
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31		
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	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: -

TEST NUMBER: P1046705

CATALOG NUMBER: 22PTR-50-L935-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.9	3.6
10°-20°	423.4	10.2
20°-30°	639.5	15.4
30°-40°	760.3	18.3
40°-50°	771.1	18.5
50°-60°	669.6	16.1
60°-70°	475.4	11.4
70°-80°	227.2	5.5
80°-90°	43.0	1.0
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°	1210.8	29.1
0°-40°	1971.1	47.4
0°-60°	3411.9	82.1
0°-90°	4157.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4157.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1561	1561	1561	1561	1561	
5°	1566	1561	1553	1557	1560	149
15°	1508	1512	1496	1494	1493	427
25°	1402	1400	1381	1387	1377	647
35°	1248	1246	1225	1183	1178	784
45°	1062	1053	1003	950	934	820
55°	834	809	741	697	673	745
65°	583	539	468	418	402	577
75°	324	265	197	156	138	340
85°	63	34	29	28	27	80
90°	0	0	0	0	0	

TEST NUMBER: P1046705

CATALOG NUMBER: 22PTR-50-L935-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1560.8	1560.8	1560.8	1560.8	1560.8
2.5°	1570.1	1564.5	1562.7	1569.2	1553.4
5°	1566.4	1560.8	1553.4	1557.1	1559.9
7.5°	1555.2	1550.6	1540.4	1548.7	1540.4
10°	1544.1	1539.4	1532.0	1534.8	1525.5
12.5°	1532.9	1521.8	1519.9	1521.8	1515.3
15°	1507.8	1511.5	1495.7	1493.9	1492.9
17.5°	1495.7	1486.4	1469.7	1470.6	1468.8
20°	1467.8	1456.7	1444.6	1442.7	1439.0
22.5°	1439.0	1426.0	1414.9	1420.4	1412.1
25°	1401.8	1400.0	1381.4	1387.0	1376.7
27.5°	1369.3	1362.8	1354.4	1342.3	1327.5
30°	1334.0	1327.5	1319.1	1287.5	1276.3
32.5°	1296.8	1289.4	1272.6	1235.4	1223.4
35°	1247.5	1245.7	1225.2	1183.4	1177.8
37.5°	1210.3	1189.9	1173.2	1130.4	1114.6
40°	1165.7	1154.6	1115.5	1074.6	1054.2
42.5°	1116.5	1103.4	1058.8	1015.1	992.8
45°	1062.5	1053.2	1003.0	950.1	934.2
47.5°	1006.8	998.4	938.9	887.8	867.3
50°	952.8	942.6	871.0	821.8	803.2
52.5°	894.3	877.5	806.9	758.6	740.9
55°	833.9	808.8	740.9	697.2	673.0
57.5°	769.7	746.5	671.2	625.6	606.1
60°	713.9	681.4	604.2	557.8	532.7
62.5°	642.4	614.5	541.0	486.2	474.1
65°	582.9	539.2	468.5	418.3	402.5
67.5°	522.4	471.3	399.7	348.6	340.2
70°	456.4	403.4	330.0	279.8	265.9
72.5°	389.5	337.4	265.9	212.9	204.5
75°	324.4	264.9	197.1	156.2	138.5
77.5°	253.8	199.9	138.5	95.7	84.6
80°	188.7	134.8	79.9	56.7	55.8
82.5°	123.6	78.1	42.8	43.7	41.8
85°	63.2	33.5	28.8	27.9	27.0
87.5°	12.1	13.0	13.9	13.9	13.9
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)