

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: P1046867

Luminaire Tested: 22PTR-45-PLG-L930-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046867
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-45-PLG-L930-UNV-STD-W
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

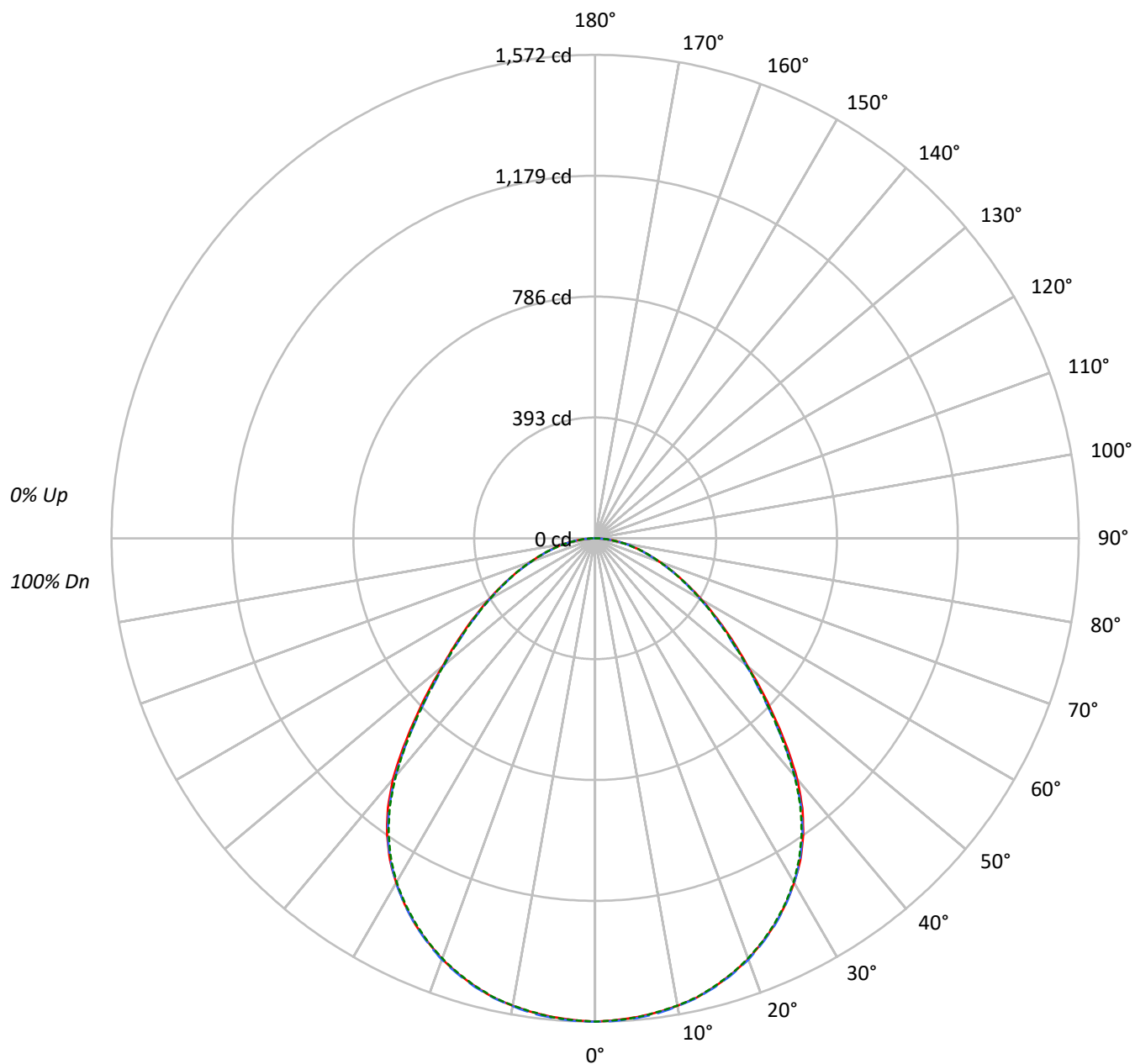
Lumens per Lamp: N/A
Luminaire Lumens: 3541.7 lumens
Efficiency: N/A
Efficacy: 101.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: (L: 2' x W: 0' x H: 2'
CIE Type: Direct

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	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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86		
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74		
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64		
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56		
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49		
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43		
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39		
8	64	51	43	38	62	51	43	38	49	42	37	48	42	37	47	41	37	35		
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32		
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29		

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°	148.8	4.2
10°-20°	425.8	12.0
20°-30°	637.1	18.0
30°-40°	730.0	20.6
40°-50°	631.3	17.8
50°-60°	456.9	12.9
60°-70°	301.0	8.5
70°-80°	163.8	4.6
80°-90°	47.0	1.3
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°	1211.7	34.2
0°-40°	1941.7	54.8
0°-60°	3029.9	85.6
0°-90°	3541.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3541.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1572	1572	1572	1572	1572	
5°	1563	1566	1566	1566	1564	149
15°	1508	1509	1510	1513	1507	425
25°	1384	1384	1386	1387	1381	637
35°	1179	1178	1176	1175	1170	732
45°	824	822	811	810	814	638
55°	513	511	505	502	506	462
65°	303	306	301	299	302	303
75°	155	155	153	153	155	165
85°	41	41	41	42	37	48
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1571.8	1571.8	1571.8	1571.8	1571.8
2.5°	1568.4	1571.8	1570.7	1571.8	1568.4
5°	1562.8	1566.2	1566.2	1566.2	1564.0
7.5°	1555.0	1557.3	1558.4	1559.5	1553.9
10°	1543.9	1546.1	1545.0	1547.2	1542.8
12.5°	1529.4	1529.4	1530.5	1532.7	1528.3
15°	1508.2	1509.3	1510.4	1512.6	1507.1
17.5°	1483.6	1484.8	1485.9	1487.0	1482.5
20°	1455.8	1455.8	1458.0	1459.1	1453.5
22.5°	1421.2	1421.2	1423.4	1426.8	1420.1
25°	1384.4	1384.4	1385.5	1386.6	1381.0
27.5°	1340.9	1340.9	1342.0	1345.3	1338.6
30°	1294.0	1292.9	1294.0	1295.1	1290.7
32.5°	1241.6	1240.5	1239.3	1240.5	1234.9
35°	1179.1	1178.0	1175.8	1174.6	1170.2
37.5°	1106.6	1104.4	1099.9	1099.9	1095.4
40°	1021.8	1016.2	1010.7	1008.4	1007.3
42.5°	923.7	919.2	911.4	910.3	910.3
45°	824.4	822.1	811.0	809.9	814.3
47.5°	735.1	729.6	719.5	717.3	724.0
50°	647.0	648.1	639.2	635.8	642.5
52.5°	577.8	575.6	567.8	565.6	571.1
55°	513.1	510.9	505.3	502.0	506.4
57.5°	454.0	452.9	447.3	446.2	448.4
60°	400.5	399.4	394.9	393.8	394.9
62.5°	350.3	350.3	345.8	343.6	346.9
65°	303.4	305.7	301.2	299.0	302.3
67.5°	261.0	263.3	258.8	256.6	261.0
70°	220.9	223.1	218.6	216.4	220.9
72.5°	186.3	187.4	184.1	182.9	188.5
75°	155.1	155.1	152.8	152.8	155.1
77.5°	126.1	124.9	123.8	123.8	121.6
80°	97.1	95.9	95.9	95.9	92.6
82.5°	69.2	66.9	68.0	69.2	63.6
85°	41.3	41.3	41.3	42.4	36.8
87.5°	16.7	16.7	15.6	16.7	14.5
90°	0.0	0.0	0.0	0.0	0.0



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)