

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: P1046700

Luminaire Tested: 22PTR-50-L930-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046700
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-L930-UNV-STD-W
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

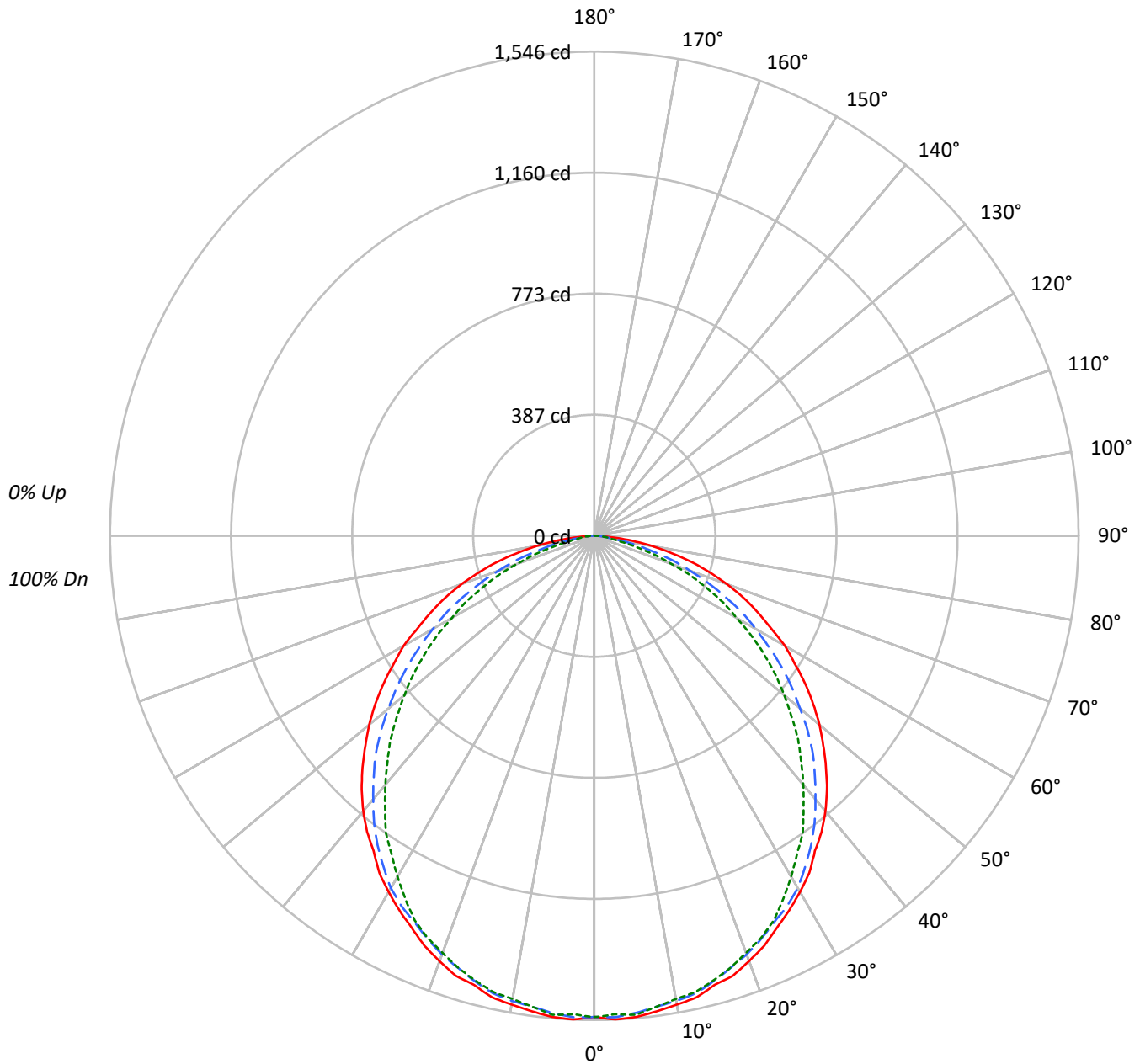
Lumens per Lamp: N/A
Luminaire Lumens: 4093.1 lumens
Efficiency: N/A
Efficacy: 105.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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

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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	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: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.7	3.6
10°-20°	416.8	10.2
20°-30°	629.6	15.4
30°-40°	748.6	18.3
40°-50°	759.2	18.5
50°-60°	659.2	16.1
60°-70°	468.0	11.4
70°-80°	223.7	5.5
80°-90°	42.4	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°	1192.1	29.1
0°-40°	1940.7	47.4
0°-60°	3359.1	82.1
0°-90°	4093.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4093.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1537	1537	1537	1537	1537	
5°	1542	1537	1529	1533	1536	146
15°	1484	1488	1473	1471	1470	421
25°	1380	1378	1360	1366	1355	637
35°	1228	1226	1206	1165	1160	772
45°	1046	1037	988	935	920	807
55°	821	796	729	686	663	734
65°	574	531	461	412	396	568
75°	319	261	194	154	136	335
85°	62	33	28	28	26	78
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1536.7	1536.7	1536.7	1536.7	1536.7
2.5°	1545.8	1540.3	1538.5	1544.9	1529.3
5°	1542.1	1536.7	1529.3	1533.0	1535.7
7.5°	1531.2	1526.6	1516.5	1524.8	1516.5
10°	1520.2	1515.6	1508.3	1511.0	1501.9
12.5°	1509.2	1498.2	1496.4	1498.2	1491.8
15°	1484.5	1488.2	1472.6	1470.8	1469.8
17.5°	1472.6	1463.4	1447.0	1447.9	1446.1
20°	1445.1	1434.2	1422.3	1420.4	1416.8
22.5°	1416.8	1404.0	1393.0	1398.5	1390.2
25°	1380.2	1378.3	1360.0	1365.5	1355.4
27.5°	1348.1	1341.7	1333.5	1321.6	1306.9
30°	1313.3	1306.9	1298.7	1267.6	1256.6
32.5°	1276.7	1269.4	1252.9	1216.3	1204.4
35°	1228.2	1226.4	1206.3	1165.1	1159.6
37.5°	1191.6	1171.5	1155.0	1112.9	1097.4
40°	1147.7	1136.7	1098.3	1058.0	1037.9
42.5°	1099.2	1086.4	1042.4	999.4	977.5
45°	1046.1	1036.9	987.5	935.4	919.8
47.5°	991.2	982.9	924.4	874.0	853.9
50°	938.1	928.0	857.6	809.1	790.8
52.5°	880.4	864.0	794.4	746.8	729.4
55°	821.0	796.2	729.4	686.4	662.6
57.5°	757.8	734.9	660.8	615.9	596.7
60°	702.9	670.9	594.9	549.1	524.4
62.5°	632.4	605.0	532.7	478.7	466.8
65°	573.8	530.8	461.3	411.8	396.3
67.5°	514.4	464.0	393.5	343.2	335.0
70°	449.4	397.2	324.9	275.5	261.8
72.5°	383.5	332.2	261.8	209.6	201.3
75°	319.4	260.8	194.0	153.8	136.4
77.5°	249.9	196.8	136.4	94.3	83.3
80°	185.8	132.7	78.7	55.8	54.9
82.5°	121.7	76.9	42.1	43.0	41.2
85°	62.2	32.9	28.4	27.5	26.5
87.5°	11.9	12.8	13.7	13.7	13.7
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)