

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: P1046994

Luminaire Tested: 22PTR-50-PW1-L930-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046994
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-50-PW1-L930-UNV-STD-W
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

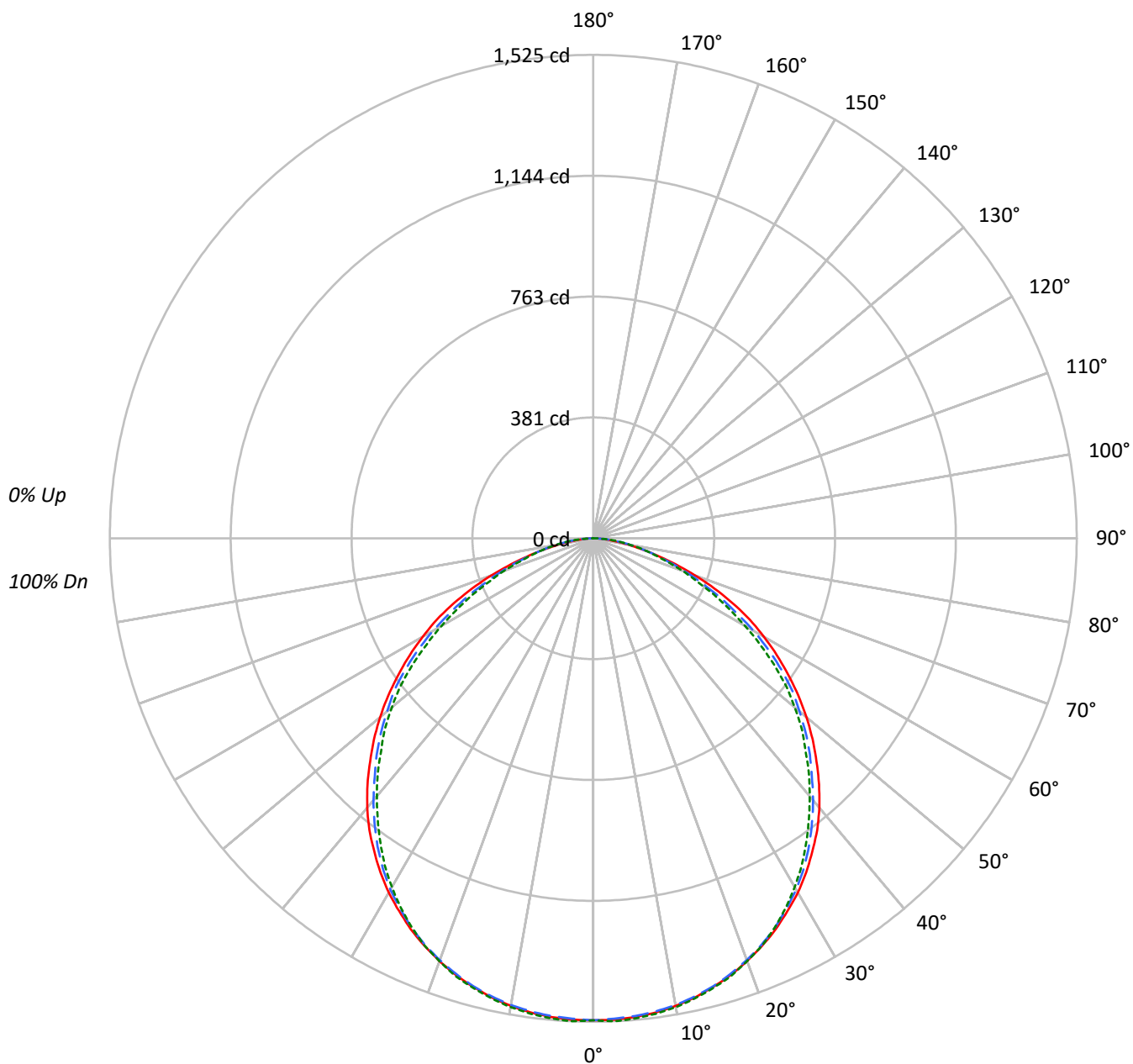
Lumens per Lamp: N/A
Luminaire Lumens: 4035.2 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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	95	98	95	92	94	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71		
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	57	68	61	56	66	60	55	64	59	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	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31		
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	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°	144.2	3.6
10°-20°	413.6	10.2
20°-30°	625.1	15.5
30°-40°	742.2	18.4
40°-50°	747.8	18.5
50°-60°	646.4	16.0
60°-70°	441.8	10.9
70°-80°	217.8	5.4
80°-90°	56.3	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°	1182.9	29.3
0°-40°	1925.1	47.7
0°-60°	3319.3	82.3
0°-90°	4035.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4035.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1520	1520	1520	1520	1520	
5°	1516	1517	1513	1519	1520	144
15°	1465	1466	1463	1468	1468	413
25°	1361	1360	1356	1357	1354	627
35°	1205	1200	1186	1176	1171	754
45°	996	985	966	955	946	768
55°	750	748	725	704	696	671
65°	485	468	441	421	419	479
75°	206	204	201	201	196	224
85°	39	46	50	51	50	48
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1520.5	1520.5	1520.5	1520.5	1520.5
2.5°	1520.1	1520.5	1516.6	1523.4	1525.0
5°	1516.0	1516.6	1512.8	1518.9	1520.5
7.5°	1508.9	1509.9	1505.4	1511.5	1512.8
10°	1498.0	1498.6	1494.7	1500.9	1502.1
12.5°	1483.5	1483.9	1480.6	1486.1	1486.1
15°	1464.8	1466.5	1462.6	1467.7	1468.1
17.5°	1444.0	1444.6	1440.7	1446.2	1447.4
20°	1419.2	1419.2	1415.9	1420.4	1419.2
22.5°	1391.6	1391.6	1387.7	1389.9	1390.9
25°	1361.3	1360.0	1355.5	1356.7	1354.5
27.5°	1326.2	1326.2	1318.3	1318.3	1314.4
30°	1290.8	1288.0	1279.6	1274.4	1270.6
32.5°	1250.1	1246.2	1235.5	1226.5	1223.7
35°	1204.6	1200.5	1186.4	1175.8	1171.3
37.5°	1160.6	1151.6	1133.0	1122.3	1117.2
40°	1109.2	1098.0	1078.9	1064.2	1061.9
42.5°	1054.2	1045.1	1020.4	1009.5	1006.9
45°	995.6	984.8	966.1	954.9	946.5
47.5°	938.1	930.1	908.8	895.3	892.4
50°	877.7	870.9	849.0	834.5	829.4
52.5°	815.2	810.7	792.1	773.5	767.3
55°	750.5	748.3	725.2	703.7	696.3
57.5°	686.9	684.0	655.1	630.4	623.6
60°	620.3	611.9	583.7	560.6	553.2
62.5°	557.3	539.3	508.8	490.7	482.3
65°	485.0	467.6	440.6	421.3	418.7
67.5°	414.2	393.3	372.4	360.5	351.5
70°	340.3	326.1	310.4	300.3	298.7
72.5°	271.5	261.4	253.5	247.3	242.2
75°	205.5	203.9	201.0	201.0	195.5
77.5°	151.1	155.0	157.2	156.6	157.8
80°	104.8	112.6	117.1	117.7	117.1
82.5°	66.5	75.5	82.9	83.9	85.2
85°	38.9	45.7	50.2	51.2	50.2
87.5°	17.4	21.9	23.1	24.2	23.1
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)