

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: P1046826

Luminaire Tested: 22PTR-50-PL1-L930-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046826
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-L930-UNV-STD-W
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

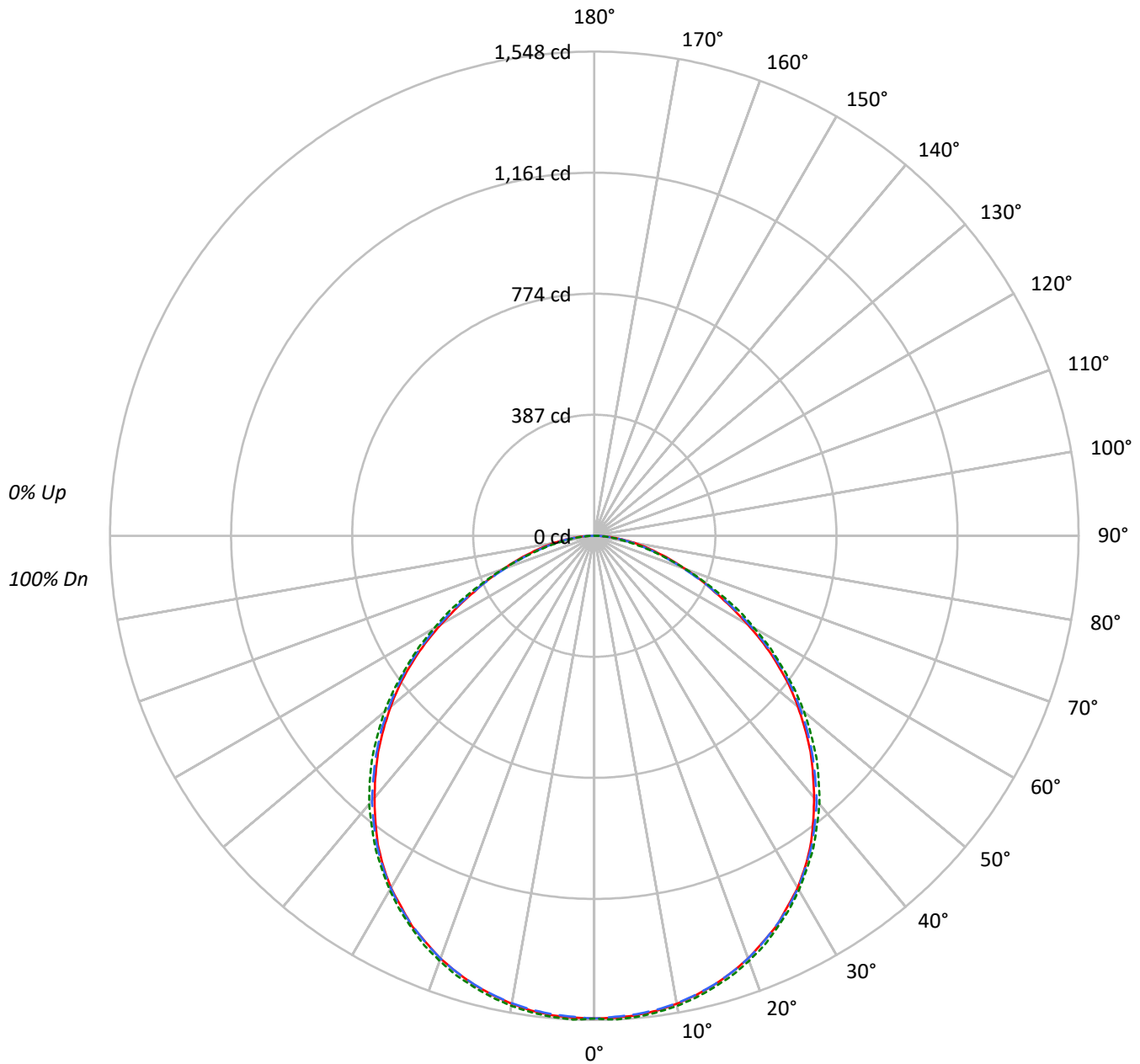
Lumens per Lamp: N/A
Luminaire Lumens: 4068.2 lumens
Efficiency: N/A
Efficacy: 104.3 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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°	146.4	3.6
10°-20°	419.9	10.3
20°-30°	635.1	15.6
30°-40°	757.0	18.6
40°-50°	761.3	18.7
50°-60°	646.1	15.9
60°-70°	430.2	10.6
70°-80°	214.8	5.3
80°-90°	57.4	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°	1201.4	29.5
0°-40°	1958.4	48.1
0°-60°	3365.8	82.7
0°-90°	4068.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4068.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1543	1543	1543	1543	1543	
5°	1539	1539	1536	1543	1544	146
15°	1486	1487	1485	1491	1492	419
25°	1378	1378	1376	1382	1383	633
35°	1206	1207	1210	1219	1220	752
45°	977	979	985	998	1004	752
55°	714	719	725	732	734	636
65°	424	427	428	435	446	425
75°	209	206	197	193	193	225
85°	54	53	49	46	42	63
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1543.3	1543.3	1543.3	1543.3	1543.3
2.5°	1542.1	1543.3	1539.2	1546.7	1548.5
5°	1538.8	1539.2	1535.9	1542.7	1544.4
7.5°	1531.3	1531.9	1528.4	1535.9	1536.9
10°	1519.2	1520.5	1517.6	1524.4	1526.1
12.5°	1503.9	1505.5	1502.6	1510.1	1511.3
15°	1485.6	1487.2	1485.0	1491.2	1492.4
17.5°	1463.1	1464.4	1463.1	1469.0	1472.3
20°	1438.0	1438.0	1438.0	1443.2	1446.1
22.5°	1406.6	1409.5	1408.3	1415.1	1418.1
25°	1377.5	1377.5	1375.7	1382.1	1383.1
27.5°	1336.8	1341.4	1341.0	1346.6	1347.8
30°	1299.6	1300.9	1301.5	1305.4	1307.7
32.5°	1254.5	1255.6	1257.4	1263.1	1263.7
35°	1205.9	1207.2	1210.5	1219.0	1220.3
37.5°	1149.4	1155.6	1158.5	1167.7	1168.7
40°	1092.7	1096.6	1105.4	1114.9	1119.5
42.5°	1034.9	1039.5	1044.7	1057.8	1061.9
45°	977.2	978.8	985.3	998.4	1004.2
47.5°	913.2	918.4	924.0	935.4	938.9
50°	849.2	854.8	858.3	868.5	875.4
52.5°	784.6	789.7	793.7	799.9	806.8
55°	713.7	718.7	725.1	732.0	733.6
57.5°	641.6	647.2	651.4	658.6	666.1
60°	564.3	570.8	576.4	583.2	590.7
62.5°	492.4	495.1	500.9	512.4	523.2
65°	423.7	427.2	428.2	434.7	445.5
67.5°	366.5	366.5	361.3	363.6	375.7
70°	306.5	304.2	300.2	297.9	307.7
72.5°	257.8	254.9	246.4	242.5	247.7
75°	209.2	206.3	197.2	192.6	193.2
77.5°	168.1	163.5	156.0	148.1	146.5
80°	127.6	125.7	118.4	111.0	105.1
82.5°	90.4	86.4	82.3	77.7	73.1
85°	54.2	53.2	49.2	46.3	42.4
87.5°	22.2	22.2	21.2	19.9	18.9
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)