

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: P1046999

Luminaire Tested: 22PTR-50-PW1-L935-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046999
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-L935-UNV-STD-W
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

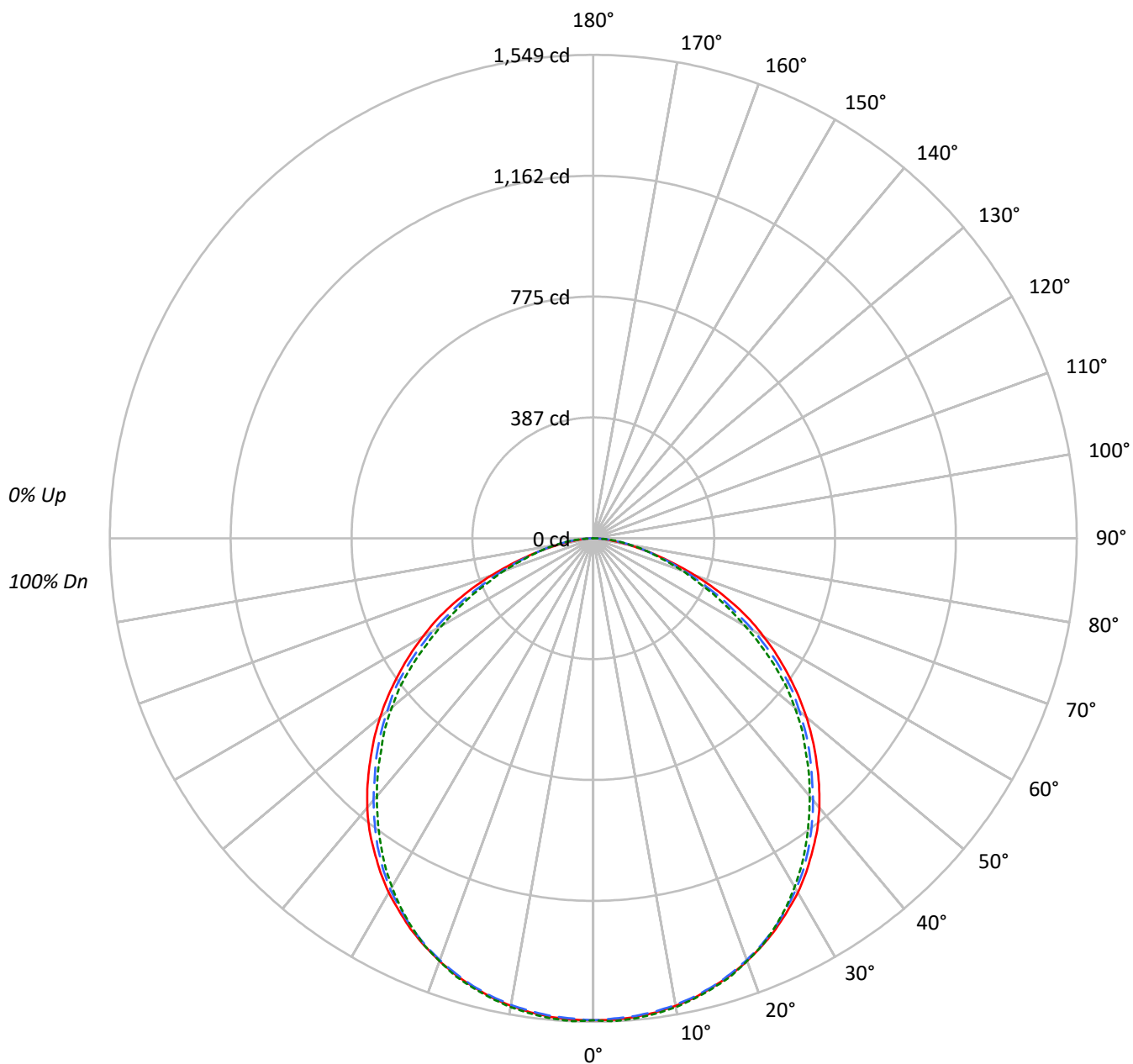
Lumens per Lamp: N/A
Luminaire Lumens: 4098.3 lumens
Efficiency: N/A
Efficacy: 105.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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°	146.4	3.6
10°-20°	420.1	10.2
20°-30°	634.9	15.5
30°-40°	753.8	18.4
40°-50°	759.5	18.5
50°-60°	656.5	16.0
60°-70°	448.7	10.9
70°-80°	221.2	5.4
80°-90°	57.2	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	29.3
0°-40°	1955.2	47.7
0°-60°	3371.1	82.3
0°-90°	4098.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4098.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1544	1544	1544	1544	1544	
5°	1540	1540	1536	1543	1544	146
15°	1488	1489	1485	1491	1491	420
25°	1382	1381	1377	1378	1376	637
35°	1224	1219	1205	1194	1190	766
45°	1011	1000	981	970	961	780
55°	762	760	736	715	707	682
65°	493	475	448	428	425	486
75°	209	207	204	204	199	228
85°	40	46	51	52	51	48
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1544.3	1544.3	1544.3	1544.3	1544.3
2.5°	1543.9	1544.3	1540.3	1547.2	1548.9
5°	1539.7	1540.3	1536.4	1542.6	1544.3
7.5°	1532.4	1533.5	1528.9	1535.1	1536.4
10°	1521.4	1522.0	1518.1	1524.3	1525.6
12.5°	1506.7	1507.1	1503.7	1509.4	1509.4
15°	1487.7	1489.4	1485.4	1490.6	1491.1
17.5°	1466.5	1467.1	1463.2	1468.8	1470.1
20°	1441.4	1441.4	1438.0	1442.6	1441.4
22.5°	1413.3	1413.3	1409.3	1411.6	1412.7
25°	1382.5	1381.3	1376.7	1377.9	1375.7
27.5°	1347.0	1347.0	1338.9	1338.9	1334.9
30°	1311.0	1308.1	1299.6	1294.4	1290.4
32.5°	1269.6	1265.7	1254.9	1245.7	1242.8
35°	1223.5	1219.3	1204.9	1194.1	1189.6
37.5°	1178.8	1169.6	1150.7	1139.9	1134.7
40°	1126.6	1115.1	1095.8	1080.8	1078.5
42.5°	1070.6	1061.5	1036.3	1025.3	1022.6
45°	1011.2	1000.1	981.2	969.8	961.3
47.5°	952.7	944.6	923.0	909.3	906.4
50°	891.4	884.5	862.3	847.5	842.3
52.5°	828.0	823.4	804.5	785.6	779.3
55°	762.3	760.0	736.5	714.7	707.2
57.5°	697.6	694.7	665.4	640.2	633.4
60°	630.0	621.5	592.8	569.3	561.8
62.5°	566.0	547.7	516.7	498.4	489.9
65°	492.6	474.9	447.5	427.9	425.2
67.5°	420.6	399.4	378.2	366.2	357.0
70°	345.6	331.2	315.2	305.0	303.4
72.5°	275.7	265.5	257.4	251.2	246.0
75°	208.8	207.1	204.2	204.2	198.6
77.5°	153.5	157.4	159.7	159.1	160.3
80°	106.5	114.4	118.9	119.6	118.9
82.5°	67.6	76.7	84.2	85.3	86.5
85°	39.5	46.4	50.9	52.0	50.9
87.5°	17.7	22.2	23.5	24.5	23.5
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)