

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: P1046979

Luminaire Tested: 22PTR-50-PW1-L835-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046979
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-L835-UNV-STD-W
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

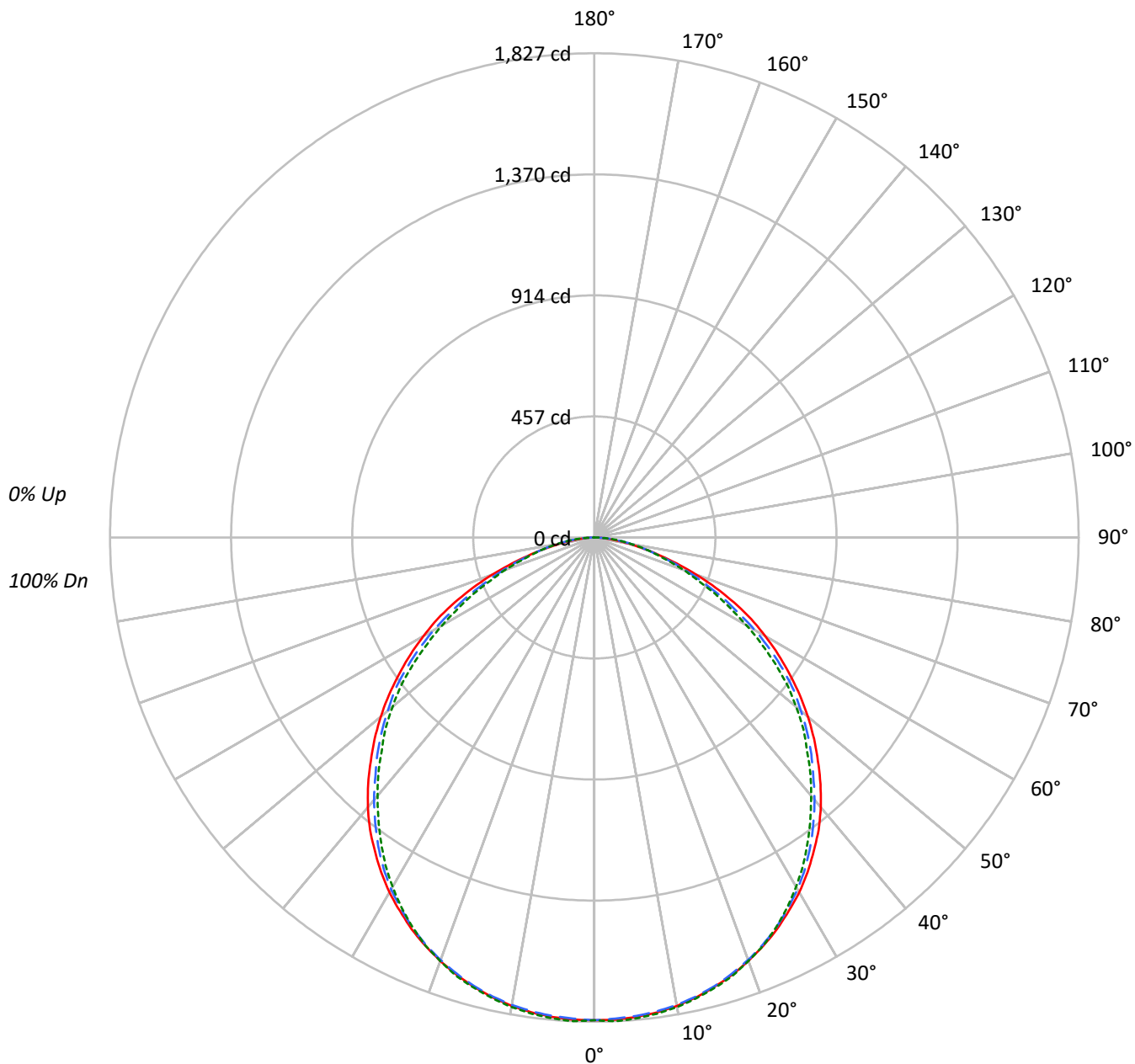
Lumens per Lamp: N/A
Luminaire Lumens: 4834.5 lumens
Efficiency: N/A
Efficacy: 124.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 39
Input Voltage (V): 120
Input Current (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	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°	172.8	3.6
10°-20°	495.5	10.3
20°-30°	748.9	15.5
30°-40°	889.2	18.4
40°-50°	895.9	18.5
50°-60°	774.4	16.0
60°-70°	529.3	10.9
70°-80°	261.0	5.4
80°-90°	67.5	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°	1417.2	29.3
0°-40°	2306.4	47.7
0°-60°	3976.7	82.3
0°-90°	4834.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4834.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1822	1822	1822	1822	1822	
5°	1816	1817	1812	1820	1822	173
15°	1755	1757	1752	1758	1759	495
25°	1631	1629	1624	1626	1623	751
35°	1443	1438	1421	1409	1403	903
45°	1193	1180	1158	1144	1134	921
55°	899	896	869	843	834	804
65°	581	560	528	505	502	574
75°	246	244	241	241	234	268
85°	47	55	60	61	60	57
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1821.7	1821.7	1821.7	1821.7	1821.7
2.5°	1821.2	1821.7	1817.1	1825.1	1827.1
5°	1816.3	1817.1	1812.4	1819.8	1821.7
7.5°	1807.7	1809.0	1803.6	1810.9	1812.4
10°	1794.7	1795.5	1790.8	1798.2	1799.6
12.5°	1777.3	1777.8	1773.9	1780.5	1780.5
15°	1755.0	1757.0	1752.3	1758.4	1758.9
17.5°	1730.0	1730.7	1726.1	1732.7	1734.1
20°	1700.3	1700.3	1696.4	1701.8	1700.3
22.5°	1667.2	1667.2	1662.5	1665.2	1666.4
25°	1630.9	1629.4	1624.0	1625.5	1622.8
27.5°	1588.9	1588.9	1579.4	1579.4	1574.7
30°	1546.5	1543.1	1533.0	1526.9	1522.2
32.5°	1497.7	1493.0	1480.3	1469.5	1466.1
35°	1443.2	1438.3	1421.4	1408.7	1403.3
37.5°	1390.5	1379.7	1357.4	1344.6	1338.5
40°	1328.9	1315.5	1292.6	1275.0	1272.3
42.5°	1263.0	1252.2	1222.5	1209.5	1206.3
45°	1192.8	1179.8	1157.5	1144.0	1133.9
47.5°	1123.9	1114.3	1088.8	1072.6	1069.2
50°	1051.5	1043.4	1017.2	999.8	993.6
52.5°	976.7	971.3	949.0	926.7	919.3
55°	899.2	896.5	868.8	843.0	834.2
57.5°	822.9	819.5	784.9	755.2	747.1
60°	743.2	733.1	699.3	671.6	662.8
62.5°	667.7	646.1	609.5	587.9	577.9
65°	581.1	560.2	527.8	504.8	501.6
67.5°	496.2	471.2	446.2	431.9	421.2
70°	407.7	390.7	371.8	359.8	357.9
72.5°	325.2	313.2	303.7	296.3	290.2
75°	246.3	244.3	240.9	240.9	234.2
77.5°	181.0	185.7	188.4	187.6	189.1
80°	125.6	134.9	140.3	141.0	140.3
82.5°	79.7	90.5	99.3	100.6	102.0
85°	46.6	54.7	60.1	61.3	60.1
87.5°	20.8	26.2	27.7	28.9	27.7
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° - - - 90°-270°



(END OF REPORT)