

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: P1046811

Luminaire Tested: 22PTR-50-PL1-L835-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046811
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-L835-UNV-STD-W
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

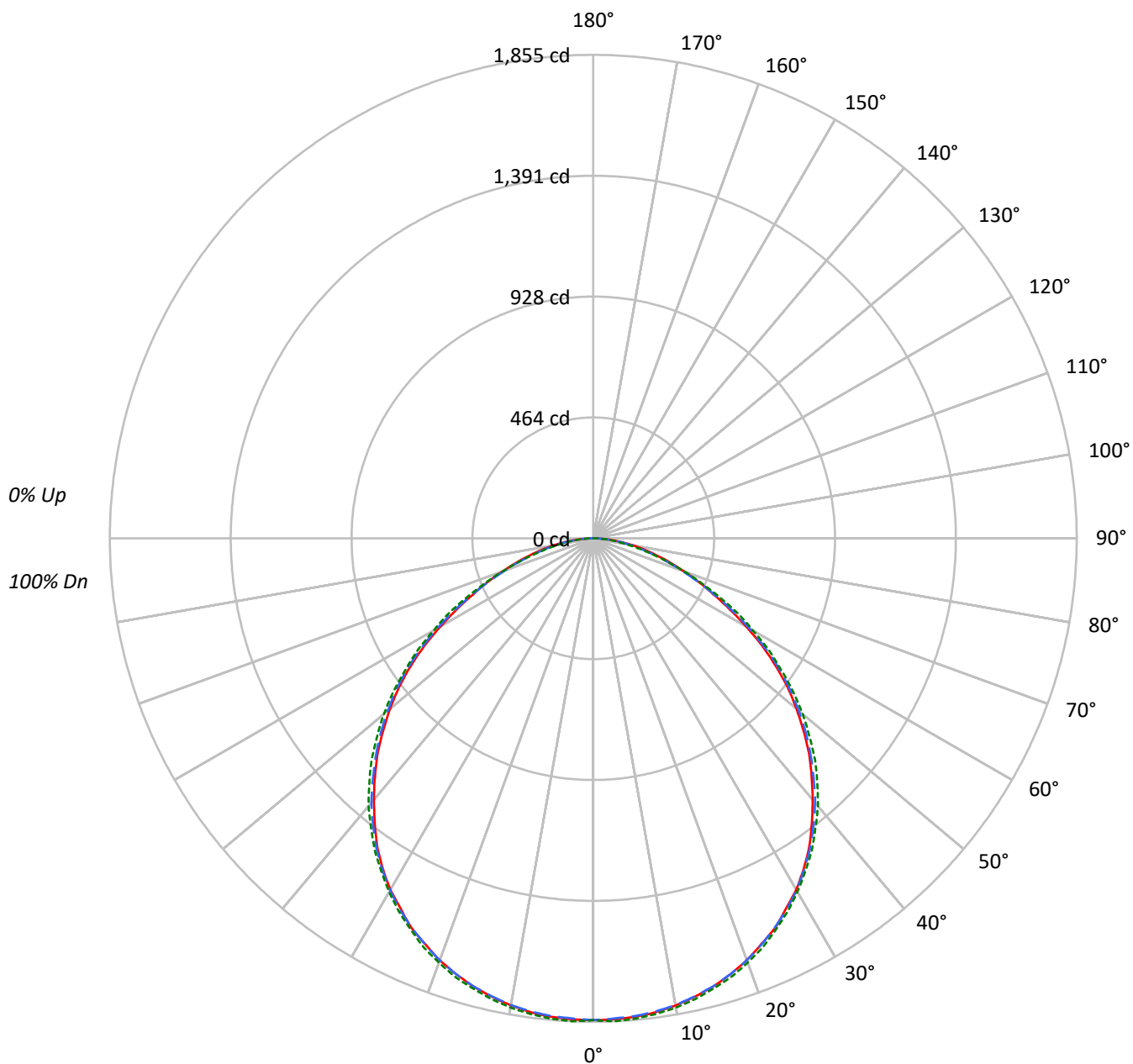
Lumens per Lamp: N/A
Luminaire Lumens: 4874.2 lumens
Efficiency: N/A
Efficacy: 125.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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°	175.4	3.6
10°-20°	503.1	10.3
20°-30°	761.0	15.6
30°-40°	907.0	18.6
40°-50°	912.1	18.7
50°-60°	774.1	15.9
60°-70°	515.4	10.6
70°-80°	257.3	5.3
80°-90°	68.8	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°	1439.4	29.5
0°-40°	2346.5	48.1
0°-60°	4032.6	82.7
0°-90°	4874.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4874.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1849	1849	1849	1849	1849	
5°	1844	1844	1840	1848	1850	175
15°	1780	1782	1779	1787	1788	502
25°	1650	1650	1648	1656	1657	759
35°	1445	1446	1450	1460	1462	901
45°	1171	1173	1180	1196	1203	901
55°	855	861	869	877	879	762
65°	508	512	513	521	534	509
75°	251	247	236	231	232	269
85°	65	64	59	56	51	75
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1849.1	1849.1	1849.1	1849.1	1849.1
2.5°	1847.6	1849.1	1844.2	1853.1	1855.4
5°	1843.7	1844.2	1840.2	1848.4	1850.4
7.5°	1834.7	1835.4	1831.2	1840.2	1841.4
10°	1820.3	1821.8	1818.3	1826.5	1828.5
12.5°	1801.8	1803.8	1800.3	1809.3	1810.8
15°	1779.9	1781.9	1779.2	1786.7	1788.1
17.5°	1753.0	1754.5	1753.0	1760.0	1764.0
20°	1722.9	1722.9	1722.9	1729.2	1732.6
22.5°	1685.3	1688.8	1687.3	1695.5	1699.0
25°	1650.5	1650.5	1648.2	1656.0	1657.2
27.5°	1601.7	1607.2	1606.7	1613.4	1614.9
30°	1557.1	1558.6	1559.4	1564.1	1566.8
32.5°	1503.1	1504.4	1506.6	1513.3	1514.1
35°	1444.9	1446.4	1450.3	1460.5	1462.0
37.5°	1377.1	1384.6	1388.1	1399.1	1400.3
40°	1309.2	1313.9	1324.4	1335.8	1341.3
42.5°	1240.0	1245.5	1251.7	1267.4	1272.3
45°	1170.8	1172.8	1180.5	1196.2	1203.1
47.5°	1094.1	1100.3	1107.0	1120.7	1125.0
50°	1017.4	1024.1	1028.4	1040.6	1048.8
52.5°	940.0	946.2	951.0	958.4	966.6
55°	855.1	861.1	868.8	877.0	879.0
57.5°	768.7	775.5	780.4	789.1	798.1
60°	676.1	683.8	690.6	698.8	707.7
62.5°	590.0	593.2	600.2	613.9	626.8
65°	507.6	511.8	513.1	520.8	533.7
67.5°	439.1	439.1	432.9	435.6	450.1
70°	367.2	364.5	359.7	357.0	368.7
72.5°	308.9	305.5	295.2	290.5	296.7
75°	250.7	247.2	236.2	230.8	231.5
77.5°	201.4	195.9	187.0	177.5	175.5
80°	152.9	150.6	141.9	132.9	126.0
82.5°	108.3	103.6	98.6	93.1	87.6
85°	65.0	63.7	59.0	55.5	50.8
87.5°	26.6	26.6	25.4	23.9	22.7
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)