

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: P1046937

Luminaire Tested: 22PTR-50-PR1-L835-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046937
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-50-PR1-L835-UNV-STD-W
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

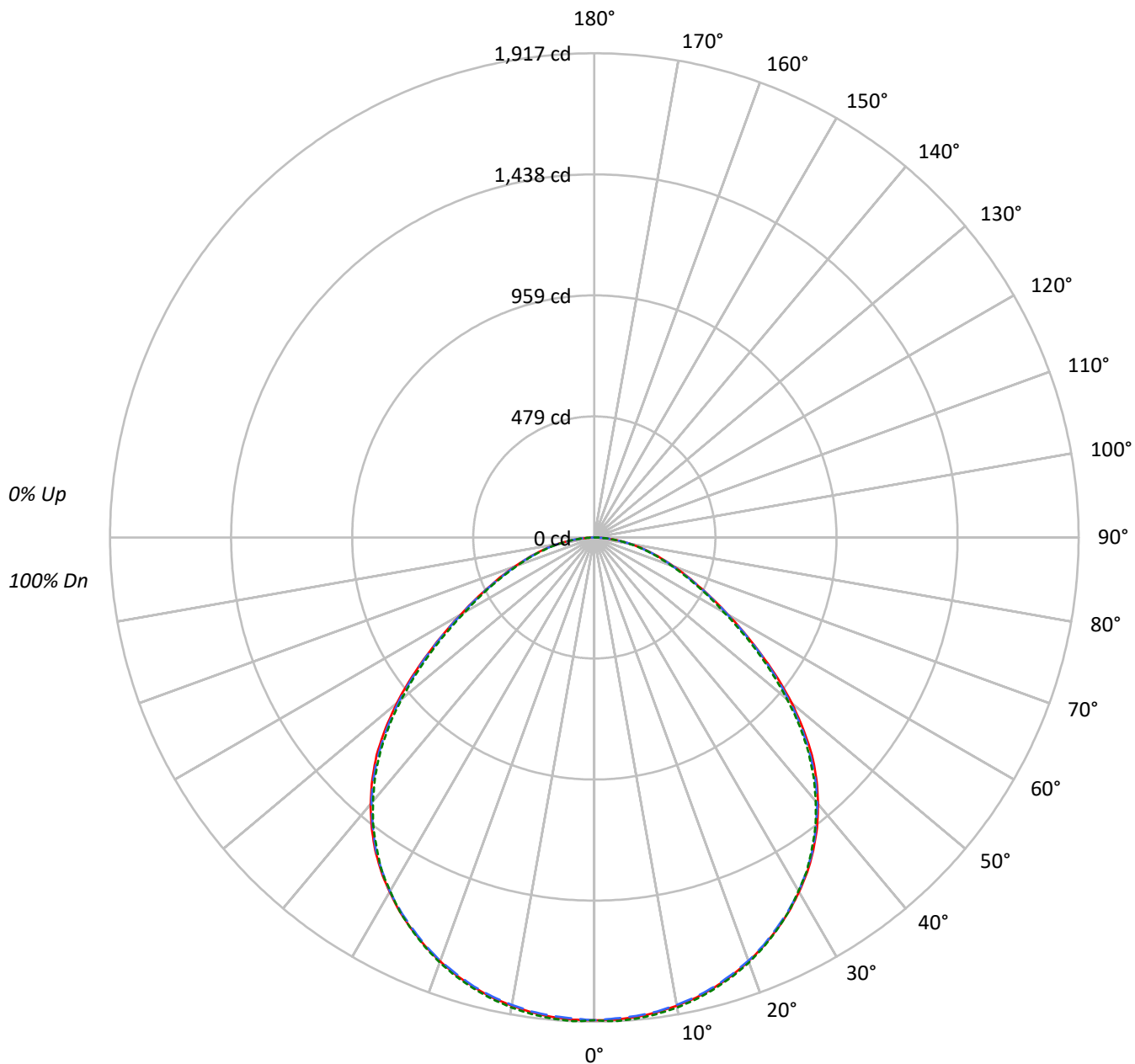
Lumens per Lamp: N/A
Luminaire Lumens: 4834.5 lumens
Efficiency: N/A
Efficacy: 124.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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

TEST NUMBER: P1046937

CATALOG NUMBER: 22PTR-50-PR1-L835-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1046937

CATALOG NUMBER: 22PTR-50-PR1-L835-UNV-STD-W

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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	110	105	101	98	107	103	99	96		99	96	93			95	92	90			91
2	100	93	86	81	98	91	85	80		87	82	78			84	80	76			81
3	92	82	74	68	90	80	73	68		78	71	66			75	70	65			72
4	85	73	65	58	82	72	64	58		69	63	57			67	61	56			65
5	78	66	57	51	76	65	56	50		62	55	50			61	54	49			59
6	72	59	51	45	70	58	50	44		57	49	44			55	49	44			53
7	67	54	45	40	65	53	45	39		52	44	39			50	44	39			49
8	62	49	41	35	61	49	41	35		47	40	35			46	40	35			45
9	58	45	37	32	57	45	37	32		44	37	32			43	36	32			42
10	55	42	34	29	54	41	34	29		40	34	29			39	33	29			39

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: -

TEST NUMBER: P1046937

CATALOG NUMBER: 22PTR-50-PR1-L835-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.3	3.8
10°-20°	520.5	10.8
20°-30°	788.5	16.3
30°-40°	941.3	19.5
40°-50°	925.7	19.1
50°-60°	715.4	14.8
60°-70°	451.1	9.3
70°-80°	244.0	5.0
80°-90°	66.7	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°	1490.3	30.8
0°-40°	2431.5	50.3
0°-60°	4072.7	84.2
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°	1912	1912	1912	1912	1912	
5°	1906	1907	1902	1910	1912	181
15°	1843	1844	1840	1846	1849	520
25°	1711	1712	1707	1712	1713	789
35°	1512	1512	1508	1506	1502	944
45°	1219	1214	1205	1196	1196	933
55°	805	812	802	789	786	722
65°	454	455	452	444	443	457
75°	234	231	228	230	224	248
85°	57	58	56	57	54	68
90°	0	0	0	0	0	

TEST NUMBER: P1046937

CATALOG NUMBER: 22PTR-50-PR1-L835-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1911.6	1911.6	1911.6	1911.6	1911.6
2.5°	1910.9	1911.6	1906.1	1915.1	1917.1
5°	1906.1	1906.9	1901.9	1910.1	1912.4
7.5°	1896.4	1897.9	1893.2	1901.4	1903.4
10°	1882.7	1884.2	1879.5	1887.7	1889.7
12.5°	1865.8	1866.3	1862.3	1869.8	1871.8
15°	1843.2	1843.7	1840.4	1846.4	1849.1
17.5°	1817.0	1817.8	1813.0	1820.5	1821.8
20°	1785.7	1786.2	1783.4	1789.6	1790.4
22.5°	1750.6	1752.1	1747.8	1753.3	1754.0
25°	1711.0	1712.2	1706.7	1712.2	1713.0
27.5°	1669.2	1669.7	1664.9	1669.2	1668.4
30°	1620.4	1624.6	1618.4	1616.9	1616.4
32.5°	1569.8	1570.3	1564.4	1562.9	1565.6
35°	1511.6	1512.1	1508.1	1506.1	1501.9
37.5°	1447.8	1447.8	1440.1	1438.9	1438.1
40°	1377.9	1377.1	1372.4	1367.7	1362.7
42.5°	1301.7	1303.2	1293.5	1285.3	1284.0
45°	1218.8	1214.1	1205.1	1195.7	1196.4
47.5°	1121.0	1122.2	1110.0	1102.3	1100.3
50°	1019.4	1019.4	1008.0	999.8	995.5
52.5°	913.4	914.1	903.2	892.2	890.0
55°	805.1	811.8	801.6	788.6	785.9
57.5°	703.8	709.2	699.5	685.8	685.1
60°	609.9	610.4	607.7	594.7	591.2
62.5°	529.7	526.3	524.8	518.0	513.8
65°	454.3	455.1	451.6	443.9	442.6
67.5°	393.3	392.6	386.4	381.6	378.9
70°	333.6	331.6	328.9	324.9	322.1
72.5°	280.3	280.3	278.1	276.8	272.1
75°	233.8	231.0	228.3	229.5	224.0
77.5°	189.2	186.5	184.2	181.5	180.2
80°	143.1	140.4	141.2	136.9	136.4
82.5°	99.3	99.3	98.1	94.6	95.3
85°	56.8	57.5	56.3	56.8	54.0
87.5°	20.7	21.2	22.7	21.2	21.2
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)