

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: P1046936

Luminaire Tested: 22PTR-45-PR1-L835-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046936
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-45-PR1-L835-UNV-STD-W
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

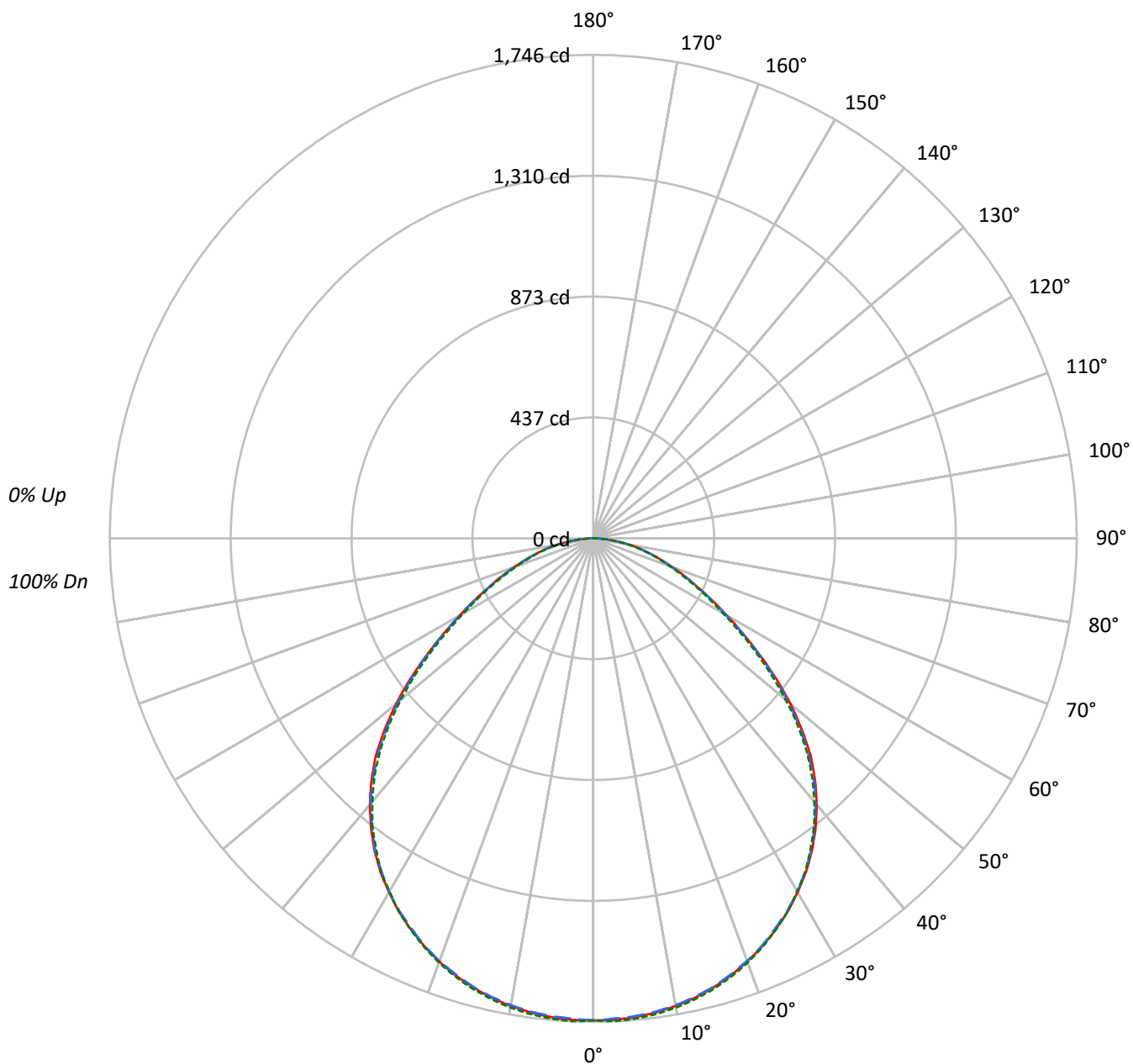
Lumens per Lamp: N/A
Luminaire Lumens: 4403.8 lumens
Efficiency: N/A
Efficacy: 125.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 35
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

TEST NUMBER: P1046936

CATALOG NUMBER: 22PTR-45-PR1-L835-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1046936

CATALOG NUMBER: 22PTR-45-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	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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27		

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: P1046936

CATALOG NUMBER: 22PTR-45-PR1-L835-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.2	3.8
10°-20°	474.1	10.8
20°-30°	718.2	16.3
30°-40°	857.4	19.5
40°-50°	843.2	19.1
50°-60°	651.7	14.8
60°-70°	410.9	9.3
70°-80°	222.3	5.0
80°-90°	60.7	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°	1357.5	30.8
0°-40°	2214.9	50.3
0°-60°	3709.9	84.2
0°-90°	4403.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4403.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1741	1741	1741	1741	1741	
5°	1736	1737	1732	1740	1742	165
15°	1679	1679	1676	1682	1684	474
25°	1559	1560	1555	1560	1560	718
35°	1377	1377	1374	1372	1368	860
45°	1110	1106	1098	1089	1090	850
55°	733	740	730	718	716	658
65°	414	414	411	404	403	416
75°	213	210	208	209	204	226
85°	52	52	51	52	49	62
90°	0	0	0	0	0	

TEST NUMBER: P1046936

CATALOG NUMBER: 22PTR-45-PR1-L835-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1741.3	1741.3	1741.3	1741.3	1741.3
2.5°	1740.6	1741.3	1736.3	1744.5	1746.3
5°	1736.3	1737.0	1732.5	1740.0	1742.0
7.5°	1727.5	1728.9	1724.5	1732.0	1733.8
10°	1715.0	1716.4	1712.1	1719.6	1721.4
12.5°	1699.6	1700.1	1696.4	1703.2	1705.0
15°	1679.0	1679.4	1676.5	1681.9	1684.4
17.5°	1655.2	1655.8	1651.5	1658.3	1659.5
20°	1626.6	1627.0	1624.5	1630.2	1630.9
22.5°	1594.6	1596.0	1592.1	1597.1	1597.8
25°	1558.6	1559.7	1554.7	1559.7	1560.4
27.5°	1520.5	1520.9	1516.6	1520.5	1519.8
30°	1476.0	1479.9	1474.2	1472.8	1472.4
32.5°	1430.0	1430.4	1425.0	1423.6	1426.1
35°	1376.9	1377.4	1373.7	1371.9	1368.1
37.5°	1318.9	1318.9	1311.8	1310.7	1310.0
40°	1255.1	1254.5	1250.2	1245.8	1241.3
42.5°	1185.8	1187.1	1178.3	1170.8	1169.7
45°	1110.2	1105.9	1097.8	1089.2	1089.8
47.5°	1021.1	1022.3	1011.1	1004.1	1002.3
50°	928.6	928.6	918.2	910.7	906.8
52.5°	832.0	832.7	822.7	812.7	810.7
55°	733.4	739.5	730.2	718.4	715.9
57.5°	641.1	646.1	637.2	624.7	624.1
60°	555.6	556.0	553.5	541.7	538.6
62.5°	482.6	479.4	478.0	471.9	468.0
65°	413.8	414.5	411.4	404.3	403.2
67.5°	358.3	357.6	351.9	347.6	345.1
70°	303.9	302.1	299.6	295.9	293.4
72.5°	255.3	255.3	253.3	252.2	247.9
75°	212.9	210.4	207.9	209.1	204.1
77.5°	172.3	169.8	167.8	165.3	164.2
80°	130.4	127.9	128.6	124.7	124.3
82.5°	90.5	90.5	89.3	86.2	86.9
85°	51.7	52.4	51.2	51.7	49.2
87.5°	18.8	19.3	20.6	19.3	19.3
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)