

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: P1046956

Luminaire Tested: 22PTR-45-PR1-L935-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046956
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-L935-UNV-STD-W
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

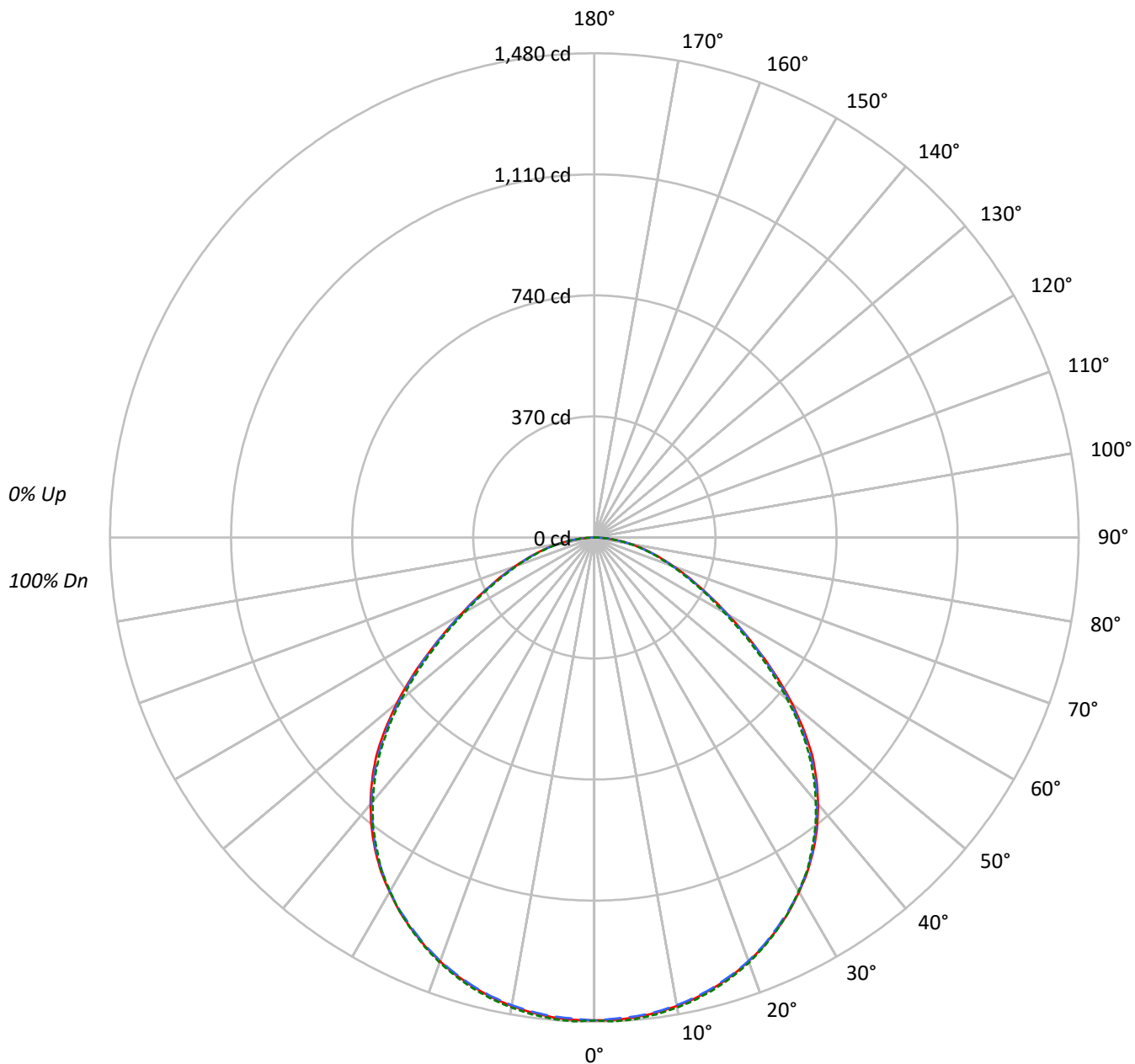
Lumens per Lamp: N/A
Luminaire Lumens: 3733.5 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 35
Input Voltage (V): 120
Input Current (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: P1046956

CATALOG NUMBER: 22PTR-45-PR1-L935-UNV-STD-W

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	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: P1046956

CATALOG NUMBER: 22PTR-45-PR1-L935-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.0	3.8
10°-20°	401.9	10.8
20°-30°	608.9	16.3
30°-40°	726.9	19.5
40°-50°	714.9	19.1
50°-60°	552.5	14.8
60°-70°	348.4	9.3
70°-80°	188.5	5.0
80°-90°	51.5	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°	1150.9	30.8
0°-40°	1877.8	50.3
0°-60°	3145.2	84.2
0°-90°	3733.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3733.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1476	1476	1476	1476	1476	
5°	1472	1473	1469	1475	1477	140
15°	1423	1424	1421	1426	1428	402
25°	1321	1322	1318	1322	1323	609
35°	1167	1168	1165	1163	1160	729
45°	941	938	931	923	924	721
55°	622	627	619	609	607	558
65°	351	351	349	343	342	353
75°	180	178	176	177	173	192
85°	44	44	43	44	42	52
90°	0	0	0	0	0	

TEST NUMBER: P1046956

CATALOG NUMBER: 22PTR-45-PR1-L935-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1476.3	1476.3	1476.3	1476.3	1476.3
2.5°	1475.7	1476.3	1472.1	1479.0	1480.5
5°	1472.1	1472.6	1468.8	1475.1	1476.9
7.5°	1464.6	1465.7	1462.1	1468.4	1469.9
10°	1454.0	1455.1	1451.5	1457.8	1459.4
12.5°	1440.9	1441.3	1438.2	1444.0	1445.5
15°	1423.4	1423.8	1421.3	1425.9	1428.0
17.5°	1403.2	1403.8	1400.2	1405.9	1406.9
20°	1379.0	1379.4	1377.3	1382.1	1382.7
22.5°	1351.9	1353.1	1349.8	1354.0	1354.6
25°	1321.3	1322.3	1318.1	1322.3	1322.9
27.5°	1289.0	1289.4	1285.8	1289.0	1288.5
30°	1251.4	1254.6	1249.8	1248.7	1248.3
32.5°	1212.3	1212.7	1208.1	1207.0	1209.1
35°	1167.3	1167.7	1164.7	1163.1	1159.8
37.5°	1118.1	1118.1	1112.2	1111.2	1110.6
40°	1064.1	1063.5	1059.9	1056.2	1052.4
42.5°	1005.3	1006.4	998.9	992.6	991.6
45°	941.3	937.6	930.7	923.4	924.0
47.5°	865.7	866.7	857.2	851.3	849.7
50°	787.3	787.3	778.4	772.1	768.8
52.5°	705.4	705.9	697.5	689.0	687.3
55°	621.7	626.9	619.0	609.1	606.9
57.5°	543.5	547.7	540.2	529.7	529.1
60°	471.0	471.4	469.3	459.3	456.6
62.5°	409.1	406.4	405.3	400.1	396.8
65°	350.9	351.4	348.7	342.8	341.8
67.5°	303.8	303.2	298.4	294.7	292.6
70°	257.6	256.1	254.0	250.9	248.8
72.5°	216.5	216.5	214.7	213.8	210.1
75°	180.5	178.4	176.3	177.3	173.0
77.5°	146.1	144.0	142.3	140.2	139.2
80°	110.5	108.4	109.0	105.7	105.4
82.5°	76.7	76.7	75.7	73.1	73.6
85°	43.8	44.4	43.4	43.8	41.7
87.5°	16.0	16.3	17.5	16.3	16.3
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° - - - 90°-270°



(END OF REPORT)