

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: P1046954

Luminaire Tested: 22PTR-20-PR1-L935-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046954
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-20-PR1-L935-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

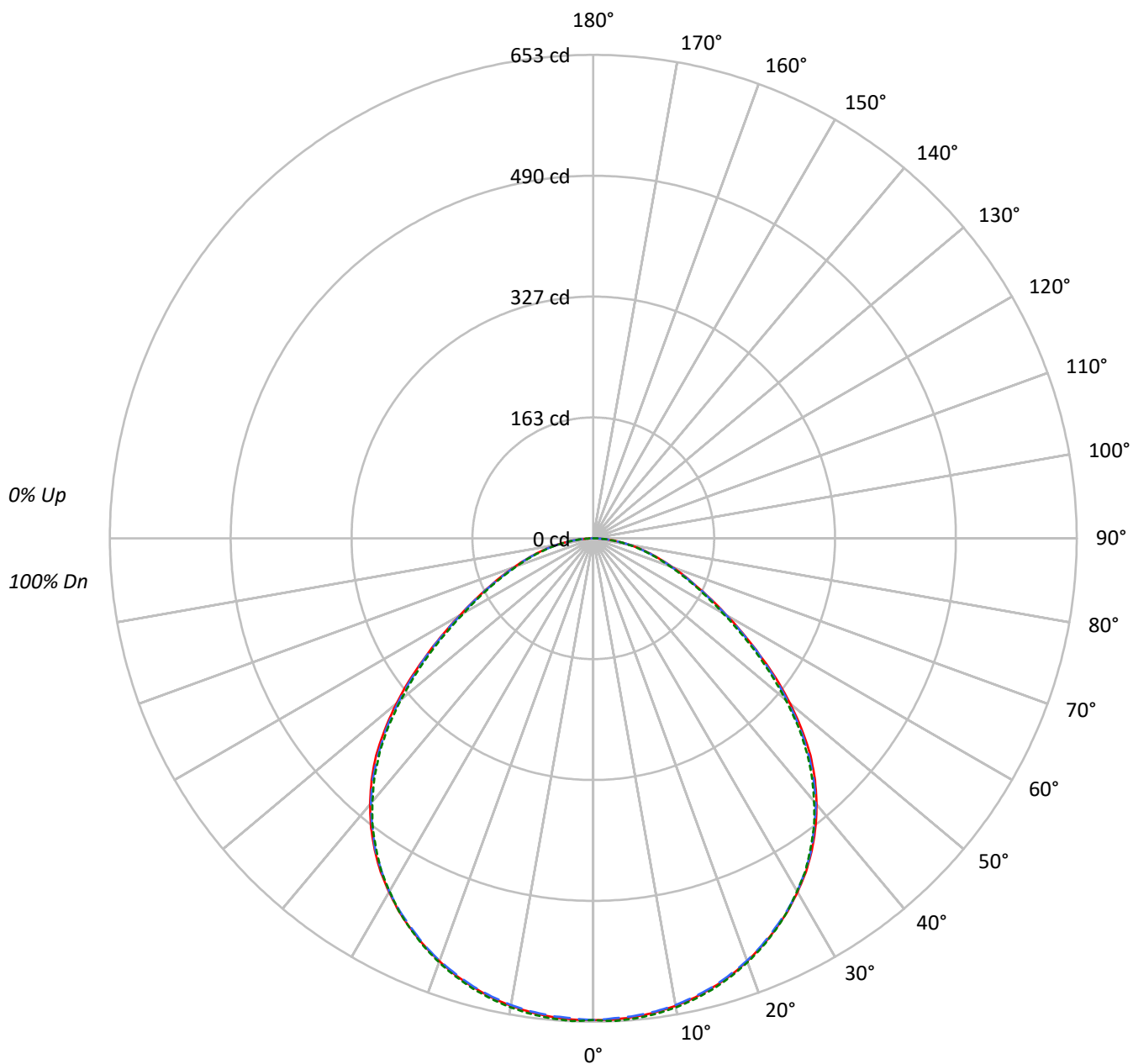
Lumens per Lamp: N/A
Luminaire Lumens: 1646.1 lumens
Efficiency: N/A
Efficacy: 109.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 15
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: P1046954

CATALOG NUMBER: 22PTR-20-PR1-L935-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1046954

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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: P1046954

CATALOG NUMBER: 22PTR-20-PR1-L935-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.7	3.8
10°-20°	177.2	10.8
20°-30°	268.5	16.3
30°-40°	320.5	19.5
40°-50°	315.2	19.1
50°-60°	243.6	14.8
60°-70°	153.6	9.3
70°-80°	83.1	5.0
80°-90°	22.7	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°	507.4	30.8
0°-40°	827.9	50.3
0°-60°	1386.7	84.2
0°-90°	1646.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1646.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	651	651	651	651	651	
5°	649	649	648	650	651	62
15°	628	628	627	629	630	177
25°	583	583	581	583	583	268
35°	515	515	514	513	511	321
45°	415	413	410	407	407	318
55°	274	276	273	268	268	246
65°	155	155	154	151	151	156
75°	80	79	78	78	76	85
85°	19	20	19	19	18	23
90°	0	0	0	0	0	

TEST NUMBER: P1046954

CATALOG NUMBER: 22PTR-20-PR1-L935-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	650.9	650.9	650.9	650.9	650.9
2.5°	650.6	650.9	649.0	652.1	652.8
5°	649.0	649.3	647.6	650.4	651.1
7.5°	645.7	646.2	644.6	647.4	648.1
10°	641.1	641.6	640.0	642.8	643.4
12.5°	635.3	635.5	634.1	636.6	637.3
15°	627.6	627.7	626.6	628.7	629.6
17.5°	618.7	618.9	617.3	619.9	620.3
20°	608.0	608.2	607.2	609.4	609.6
22.5°	596.0	596.6	595.1	597.0	597.2
25°	582.6	583.0	581.1	583.0	583.2
27.5°	568.3	568.5	566.9	568.3	568.1
30°	551.7	553.2	551.0	550.5	550.4
32.5°	534.5	534.7	532.6	532.1	533.1
35°	514.7	514.8	513.5	512.8	511.4
37.5°	493.0	493.0	490.3	489.9	489.7
40°	469.2	468.9	467.3	465.7	464.0
42.5°	443.2	443.7	440.4	437.6	437.2
45°	415.0	413.4	410.3	407.1	407.4
47.5°	381.7	382.1	378.0	375.3	374.6
50°	347.1	347.1	343.2	340.4	339.0
52.5°	311.0	311.2	307.5	303.8	303.0
55°	274.1	276.4	272.9	268.5	267.6
57.5°	239.6	241.5	238.2	233.5	233.3
60°	207.7	207.8	206.9	202.5	201.3
62.5°	180.4	179.2	178.7	176.4	174.9
65°	154.7	154.9	153.8	151.1	150.7
67.5°	133.9	133.7	131.6	129.9	129.0
70°	113.6	112.9	112.0	110.6	109.7
72.5°	95.4	95.4	94.7	94.3	92.6
75°	79.6	78.7	77.7	78.2	76.3
77.5°	64.4	63.5	62.7	61.8	61.4
80°	48.7	47.8	48.1	46.6	46.4
82.5°	33.8	33.8	33.4	32.2	32.5
85°	19.3	19.6	19.2	19.3	18.4
87.5°	7.0	7.2	7.7	7.2	7.2
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)