

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: P1046702

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

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046702
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-20-L935-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

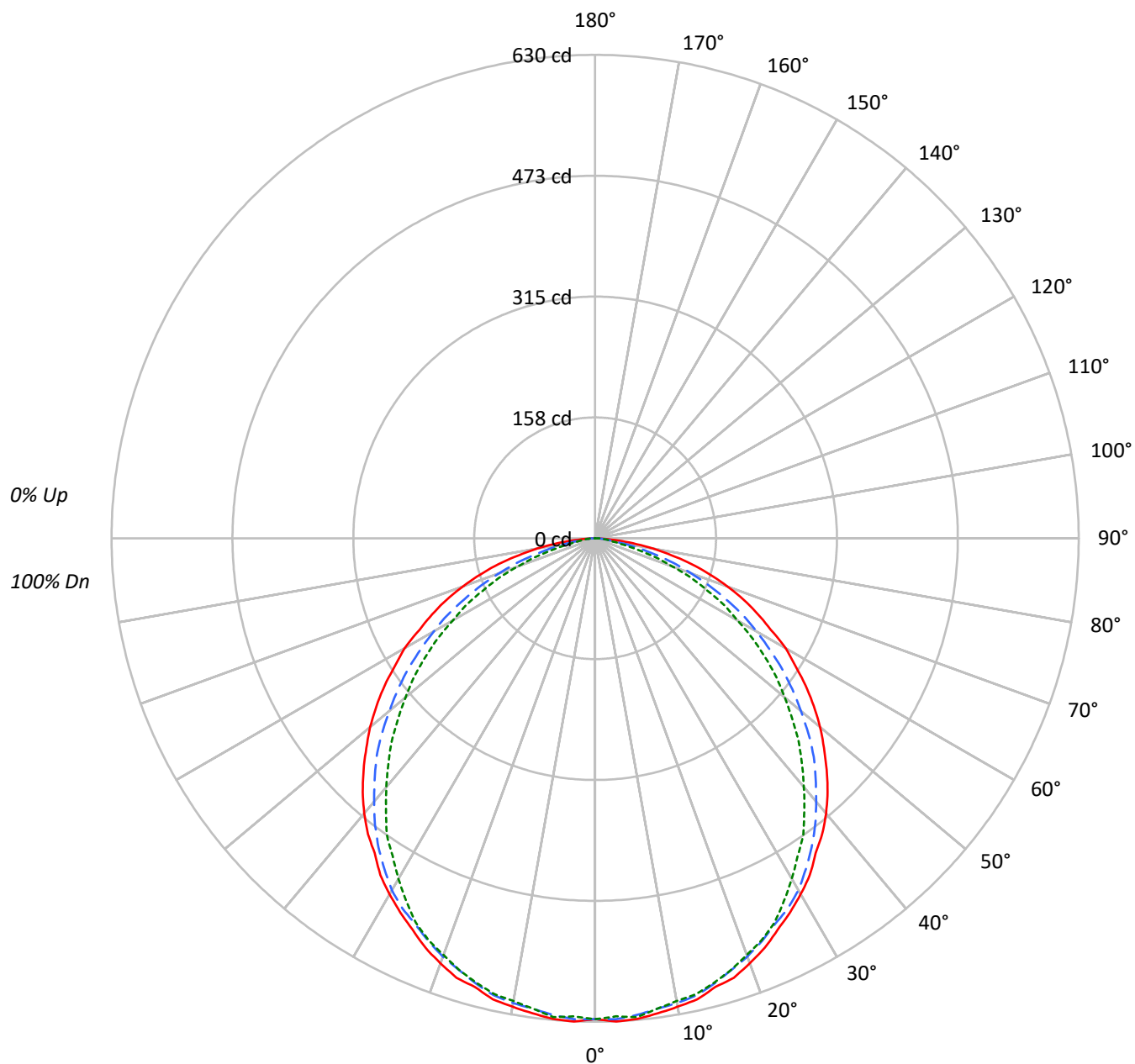
Lumens per Lamp: N/A
Luminaire Lumens: 1669.1 lumens
Efficiency: N/A
Efficacy: 111.3 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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: P1046702

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

Luminous Intensity Polar Plot



TEST NUMBER: P1046702

CATALOG NUMBER: 22PTR-20-L935-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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52		
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31		
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	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: -

TEST NUMBER: P1046702

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.4	3.6
10°-20°	170.0	10.2
20°-30°	256.7	15.4
30°-40°	305.3	18.3
40°-50°	309.6	18.5
50°-60°	268.8	16.1
60°-70°	190.8	11.4
70°-80°	91.2	5.5
80°-90°	17.3	1.0
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°	486.1	29.1
0°-40°	791.4	47.4
0°-60°	1369.8	82.1
0°-90°	1669.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1669.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	627	627	627	627	627	
5°	629	627	624	625	626	60
15°	605	607	600	600	599	171
25°	563	562	555	557	553	260
35°	501	500	492	475	473	315
45°	427	423	403	381	375	329
55°	335	325	298	280	270	299
65°	234	216	188	168	162	232
75°	130	106	79	63	56	137
85°	25	13	12	11	11	32
90°	0	0	0	0	0	

TEST NUMBER: P1046702

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	626.6	626.6	626.6	626.6	626.6
2.5°	630.4	628.1	627.4	630.0	623.6
5°	628.9	626.6	623.6	625.1	626.3
7.5°	624.4	622.5	618.4	621.8	618.4
10°	619.9	618.0	615.1	616.2	612.4
12.5°	615.4	610.9	610.2	610.9	608.3
15°	605.4	606.8	600.5	599.8	599.4
17.5°	600.5	596.8	590.0	590.4	589.7
20°	589.3	584.8	580.0	579.2	577.7
22.5°	577.7	572.5	568.0	570.3	566.9
25°	562.8	562.1	554.6	556.8	552.7
27.5°	549.7	547.1	543.8	538.9	532.9
30°	535.6	532.9	529.6	516.9	512.4
32.5°	520.6	517.6	510.9	496.0	491.1
35°	500.9	500.1	491.9	475.1	472.9
37.5°	485.9	477.7	471.0	453.8	447.5
40°	468.0	463.5	447.9	431.4	423.2
42.5°	448.2	443.0	425.1	407.5	398.6
45°	426.6	422.8	402.7	381.4	375.1
47.5°	404.2	400.8	376.9	356.4	348.2
50°	382.5	378.4	349.7	329.9	322.5
52.5°	359.0	352.3	323.9	304.5	297.5
55°	334.8	324.7	297.5	279.9	270.2
57.5°	309.0	299.7	269.5	251.2	243.3
60°	286.6	273.6	242.6	223.9	213.9
62.5°	257.9	246.7	217.2	195.2	190.3
65°	234.0	216.5	188.1	167.9	161.6
67.5°	209.7	189.2	160.5	140.0	136.6
70°	183.2	162.0	132.5	112.3	106.7
72.5°	156.4	135.5	106.7	85.5	82.1
75°	130.3	106.4	79.1	62.7	55.6
77.5°	101.9	80.2	55.6	38.4	34.0
80°	75.8	54.1	32.1	22.8	22.4
82.5°	49.6	31.3	17.2	17.5	16.8
85°	25.4	13.4	11.6	11.2	10.8
87.5°	4.9	5.2	5.6	5.6	5.6
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)