

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: P1046996

Luminaire Tested: 22PTR-20-PW1-L935-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046996
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-20-PW1-L935-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

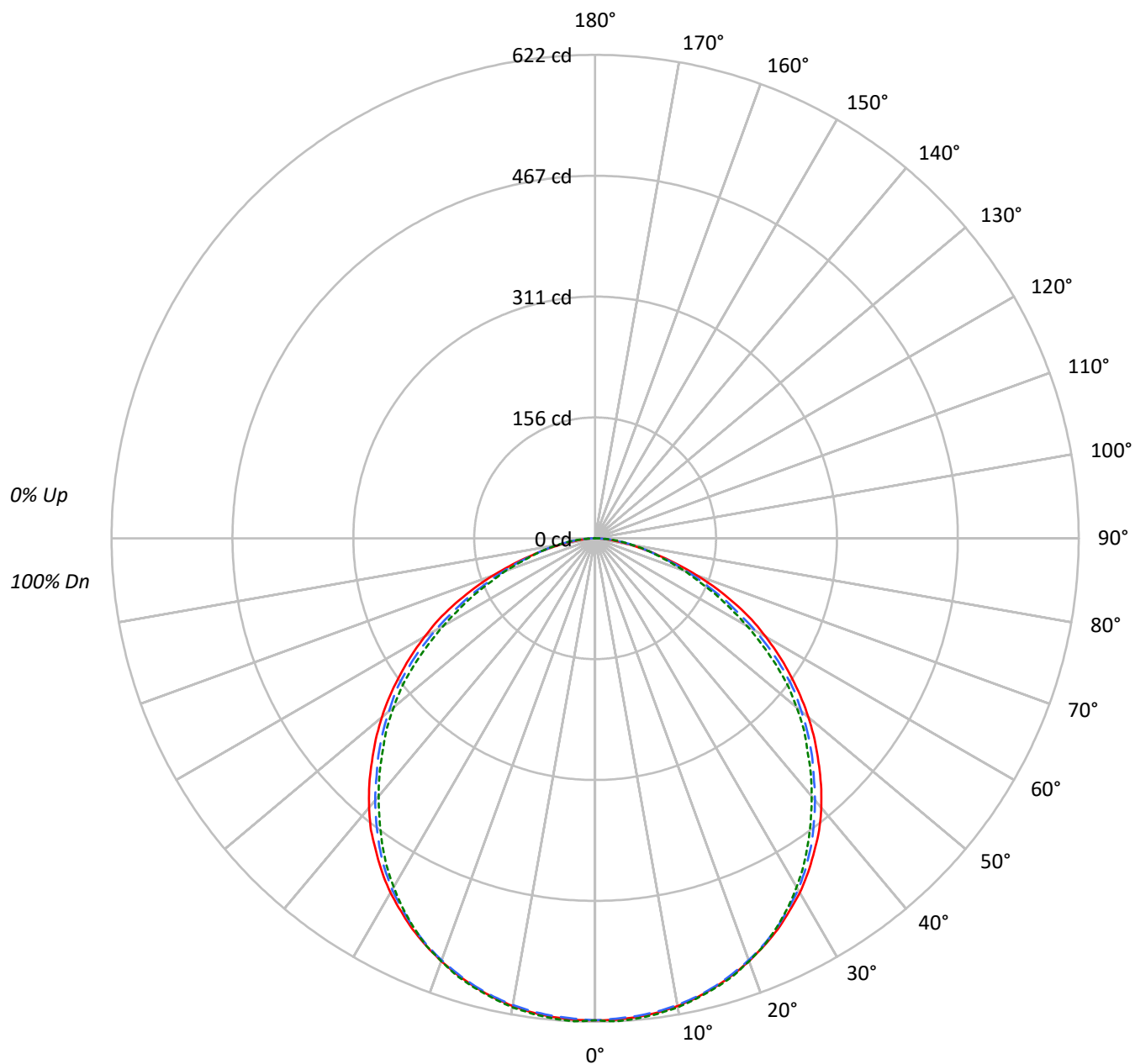
Lumens per Lamp: N/A
Luminaire Lumens: 1646.1 lumens
Efficiency: N/A
Efficacy: 109.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 15
Input Voltage (V): 120
Input Current (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

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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	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71		
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	57	68	61	56	66	60	55	64	59	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	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31		
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	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: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.8	3.6
10°-20°	168.7	10.3
20°-30°	255.0	15.5
30°-40°	302.8	18.4
40°-50°	305.0	18.5
50°-60°	263.7	16.0
60°-70°	180.2	10.9
70°-80°	88.9	5.4
80°-90°	23.0	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°	482.5	29.3
0°-40°	785.3	47.7
0°-60°	1354.0	82.3
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°	620	620	620	620	620	
5°	618	619	617	620	620	59
15°	598	598	597	599	599	169
25°	555	555	553	554	552	256
35°	491	490	484	480	478	308
45°	406	402	394	390	386	313
55°	306	305	296	287	284	274
65°	198	191	180	172	171	195
75°	84	83	82	82	80	91
85°	16	19	20	21	20	19
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	620.3	620.3	620.3	620.3	620.3
2.5°	620.1	620.3	618.7	621.4	622.1
5°	618.4	618.7	617.1	619.6	620.3
7.5°	615.5	615.9	614.1	616.6	617.1
10°	611.1	611.3	609.8	612.3	612.8
12.5°	605.2	605.3	604.0	606.2	606.2
15°	597.6	598.2	596.6	598.7	598.9
17.5°	589.0	589.3	587.7	590.0	590.5
20°	578.9	578.9	577.6	579.4	578.9
22.5°	567.7	567.7	566.1	567.0	567.4
25°	555.3	554.8	553.0	553.5	552.5
27.5°	541.0	541.0	537.8	537.8	536.2
30°	526.6	525.4	522.0	519.9	518.3
32.5°	509.9	508.4	504.0	500.3	499.2
35°	491.4	489.7	484.0	479.6	477.8
37.5°	473.5	469.8	462.2	457.8	455.7
40°	452.5	447.9	440.1	434.1	433.2
42.5°	430.0	426.3	416.2	411.8	410.7
45°	406.1	401.7	394.1	389.5	386.1
47.5°	382.7	379.4	370.7	365.2	364.0
50°	358.0	355.3	346.3	340.4	338.3
52.5°	332.6	330.7	323.1	315.5	313.0
55°	306.2	305.3	295.8	287.0	284.0
57.5°	280.2	279.0	267.3	257.1	254.4
60°	253.1	249.6	238.1	228.7	225.7
62.5°	227.3	220.0	207.5	200.2	196.8
65°	197.8	190.8	179.7	171.9	170.8
67.5°	169.0	160.4	151.9	147.1	143.4
70°	138.8	133.0	126.6	122.5	121.9
72.5°	110.7	106.7	103.4	100.9	98.8
75°	83.9	83.2	82.0	82.0	79.8
77.5°	61.6	63.2	64.1	63.9	64.4
80°	42.8	45.9	47.8	48.0	47.8
82.5°	27.1	30.8	33.8	34.2	34.7
85°	15.9	18.6	20.5	20.9	20.5
87.5°	7.1	8.9	9.4	9.9	9.4
90°	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report







— 0°-180° - - 45°-225° - - - 90°-270°



(END OF REPORT)