

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: P1046823

Luminaire Tested: 22PTR-20-PL1-L930-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046823
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-20-PL1-L930-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

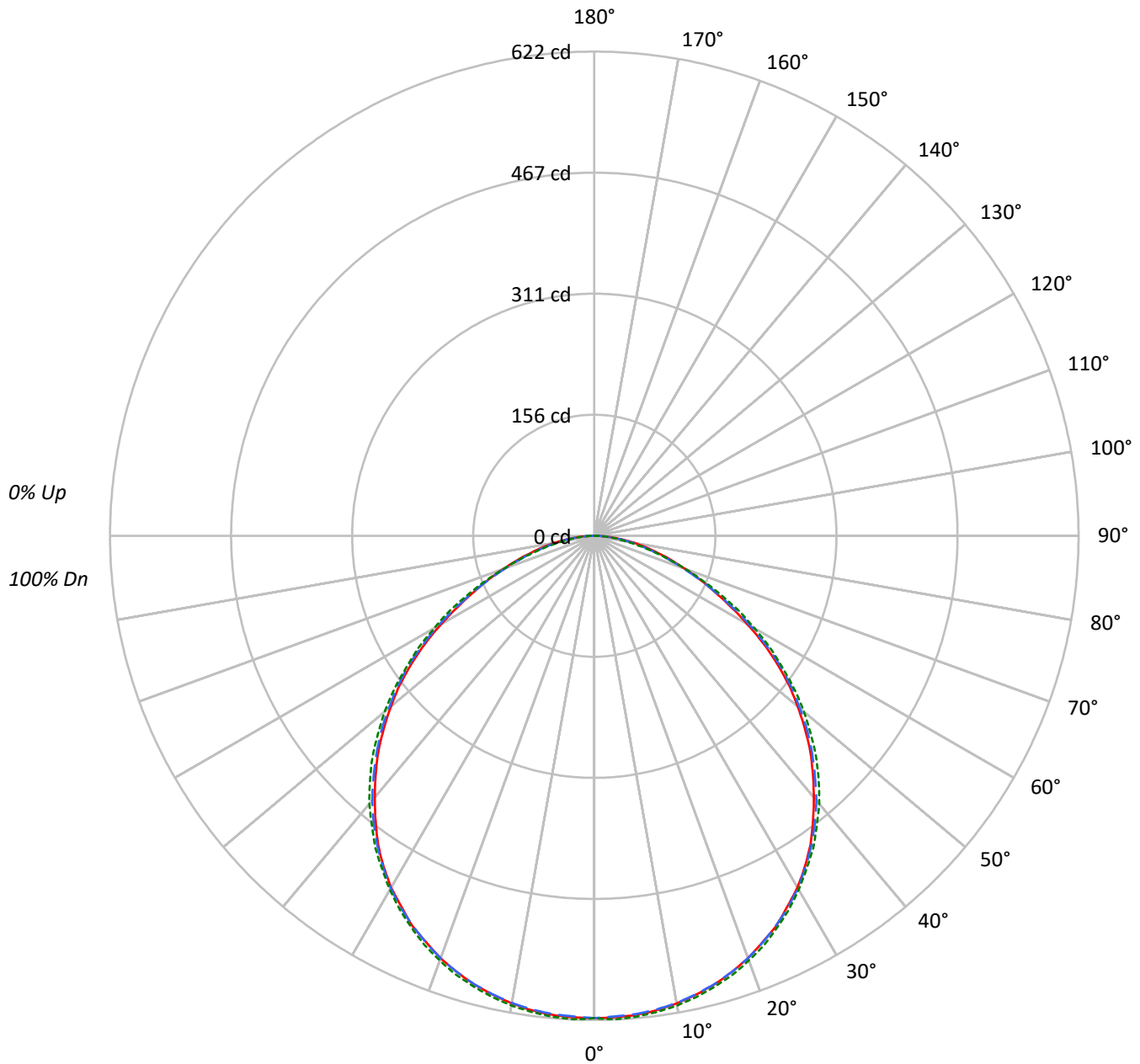
Lumens per Lamp: N/A
Luminaire Lumens: 1633.5 lumens
Efficiency: N/A
Efficacy: 108.9 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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

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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	96	98	95	93	94	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61		
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52		
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46		
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40		
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29		
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	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°	168.6	10.3
20°-30°	255.0	15.6
30°-40°	304.0	18.6
40°-50°	305.7	18.7
50°-60°	259.4	15.9
60°-70°	172.7	10.6
70°-80°	86.2	5.3
80°-90°	23.1	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°	482.4	29.5
0°-40°	786.4	48.1
0°-60°	1351.4	82.7
0°-90°	1633.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1633.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	620	620	620	620	620	
5°	618	618	617	619	620	59
15°	596	597	596	599	599	168
25°	553	553	552	555	555	254
35°	484	485	486	490	490	302
45°	392	393	396	401	403	302
55°	287	289	291	294	295	255
65°	170	172	172	174	179	171
75°	84	83	79	77	78	90
85°	22	21	20	19	17	25
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	619.7	619.7	619.7	619.7	619.7
2.5°	619.2	619.7	618.0	621.0	621.8
5°	617.9	618.0	616.7	619.4	620.1
7.5°	614.9	615.1	613.7	616.7	617.1
10°	610.0	610.5	609.3	612.1	612.8
12.5°	603.8	604.5	603.3	606.3	606.8
15°	596.5	597.2	596.2	598.8	599.3
17.5°	587.5	588.0	587.5	589.8	591.2
20°	577.4	577.4	577.4	579.5	580.6
22.5°	564.8	566.0	565.5	568.2	569.4
25°	553.1	553.1	552.4	555.0	555.4
27.5°	536.8	538.6	538.4	540.7	541.2
30°	521.8	522.3	522.6	524.2	525.1
32.5°	503.7	504.1	504.9	507.1	507.4
35°	484.2	484.7	486.0	489.5	490.0
37.5°	461.5	464.0	465.2	468.9	469.3
40°	438.7	440.3	443.8	447.7	449.5
42.5°	415.5	417.4	419.5	424.7	426.4
45°	392.4	393.0	395.6	400.9	403.2
47.5°	366.7	368.7	371.0	375.6	377.0
50°	341.0	343.2	344.6	348.7	351.5
52.5°	315.0	317.1	318.7	321.2	323.9
55°	286.6	288.6	291.2	293.9	294.6
57.5°	257.6	259.9	261.5	264.5	267.5
60°	226.6	229.2	231.4	234.2	237.2
62.5°	197.7	198.8	201.1	205.7	210.1
65°	170.1	171.5	171.9	174.5	178.9
67.5°	147.2	147.2	145.1	146.0	150.8
70°	123.1	122.1	120.6	119.6	123.6
72.5°	103.5	102.4	98.9	97.4	99.4
75°	84.0	82.8	79.2	77.3	77.6
77.5°	67.5	65.7	62.7	59.5	58.8
80°	51.2	50.5	47.6	44.5	42.2
82.5°	36.3	34.7	33.0	31.2	29.4
85°	21.8	21.4	19.8	18.6	17.0
87.5°	8.9	8.9	8.5	8.0	7.6
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)