

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: P1046991

Luminaire Tested: 22PTR-20-PW1-L930-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046991
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-L930-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

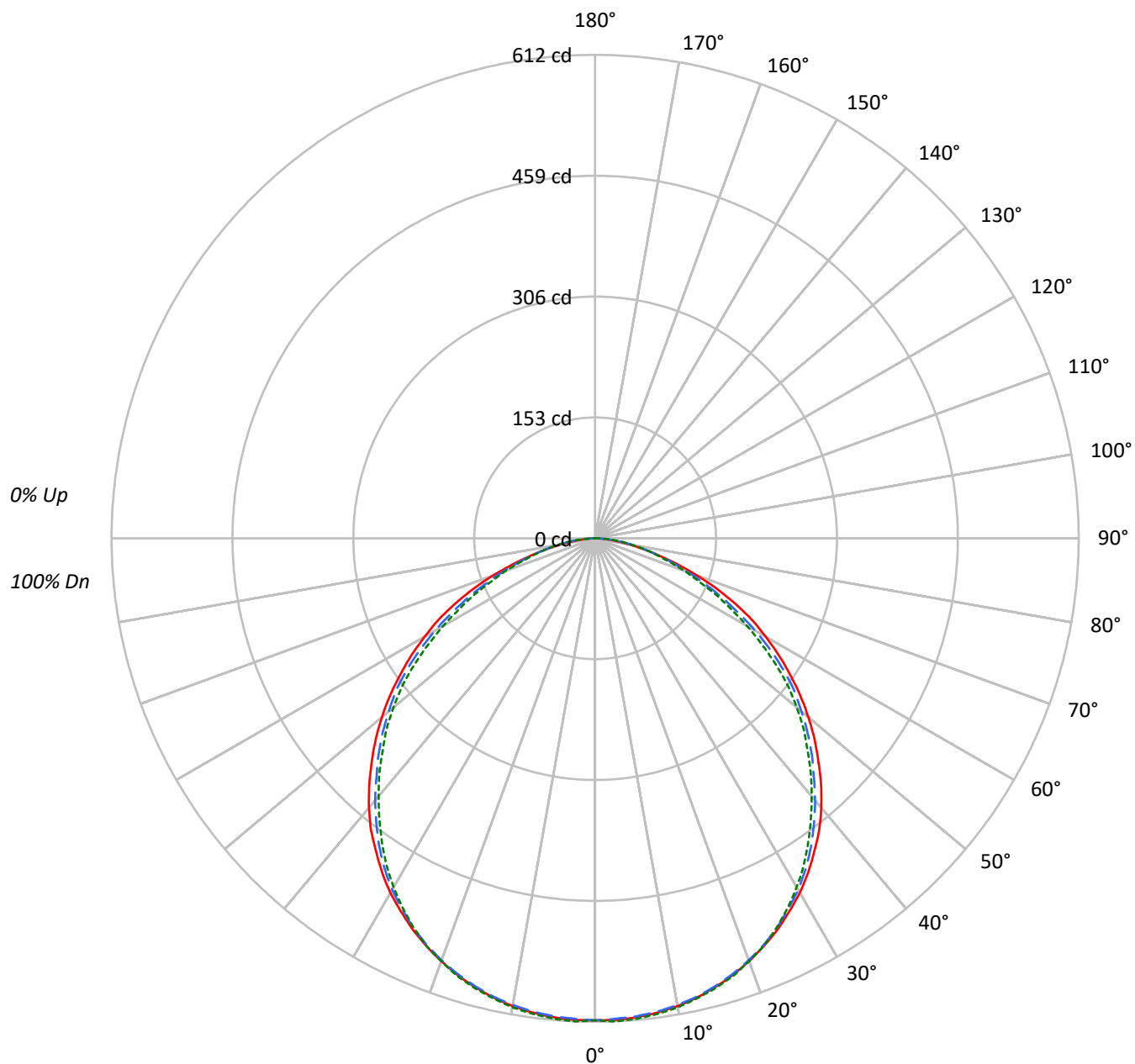
Lumens per Lamp: N/A
Luminaire Lumens: 1619.9 lumens
Efficiency: N/A
Efficacy: 108.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 15
Input Voltage (V): 120
Input Current (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	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°	57.9	3.6
10°-20°	166.0	10.3
20°-30°	250.9	15.5
30°-40°	298.0	18.4
40°-50°	300.2	18.5
50°-60°	259.5	16.0
60°-70°	177.3	10.9
70°-80°	87.5	5.4
80°-90°	22.6	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°	474.9	29.3
0°-40°	772.8	47.7
0°-60°	1332.5	82.3
0°-90°	1619.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1619.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	610	610	610	610	610	
5°	609	609	607	610	610	58
15°	588	589	587	589	589	166
25°	546	546	544	545	544	252
35°	484	482	476	472	470	303
45°	400	395	388	383	380	308
55°	301	300	291	282	280	269
65°	195	188	177	169	168	192
75°	82	82	81	81	78	90
85°	16	18	20	20	20	19
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	610.4	610.4	610.4	610.4	610.4
2.5°	610.2	610.4	608.8	611.6	612.2
5°	608.6	608.8	607.3	609.7	610.4
7.5°	605.7	606.1	604.3	606.8	607.3
10°	601.4	601.6	600.0	602.5	603.0
12.5°	595.5	595.7	594.4	596.6	596.6
15°	588.1	588.7	587.1	589.2	589.4
17.5°	579.7	579.9	578.4	580.6	581.1
20°	569.7	569.7	568.4	570.2	569.7
22.5°	558.6	558.6	557.1	558.0	558.4
25°	546.5	546.0	544.2	544.7	543.8
27.5°	532.4	532.4	529.2	529.2	527.6
30°	518.2	517.0	513.7	511.6	510.1
32.5°	501.8	500.3	496.0	492.4	491.2
35°	483.6	481.9	476.3	472.0	470.2
37.5°	465.9	462.3	454.8	450.6	448.5
40°	445.3	440.8	433.1	427.2	426.3
42.5°	423.2	419.6	409.6	405.3	404.2
45°	399.7	395.3	387.8	383.3	380.0
47.5°	376.6	373.4	364.8	359.4	358.3
50°	352.3	349.6	340.8	335.0	332.9
52.5°	327.3	325.5	318.0	310.5	308.0
55°	301.3	300.4	291.1	282.5	279.5
57.5°	275.7	274.6	263.0	253.1	250.3
60°	249.0	245.7	234.3	225.0	222.1
62.5°	223.7	216.5	204.2	197.0	193.6
65°	194.7	187.7	176.9	169.1	168.1
67.5°	166.3	157.9	149.5	144.7	141.1
70°	136.6	130.9	124.6	120.6	119.9
72.5°	109.0	105.0	101.7	99.3	97.2
75°	82.5	81.9	80.7	80.7	78.5
77.5°	60.7	62.2	63.1	62.9	63.4
80°	42.1	45.2	47.0	47.3	47.0
82.5°	26.7	30.3	33.3	33.7	34.2
85°	15.6	18.3	20.1	20.5	20.1
87.5°	7.0	8.8	9.3	9.7	9.3
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)