

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: P1046907

Luminaire Tested: 22PTR-20-PP3-L930-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046907
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-20-PP3-L930-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

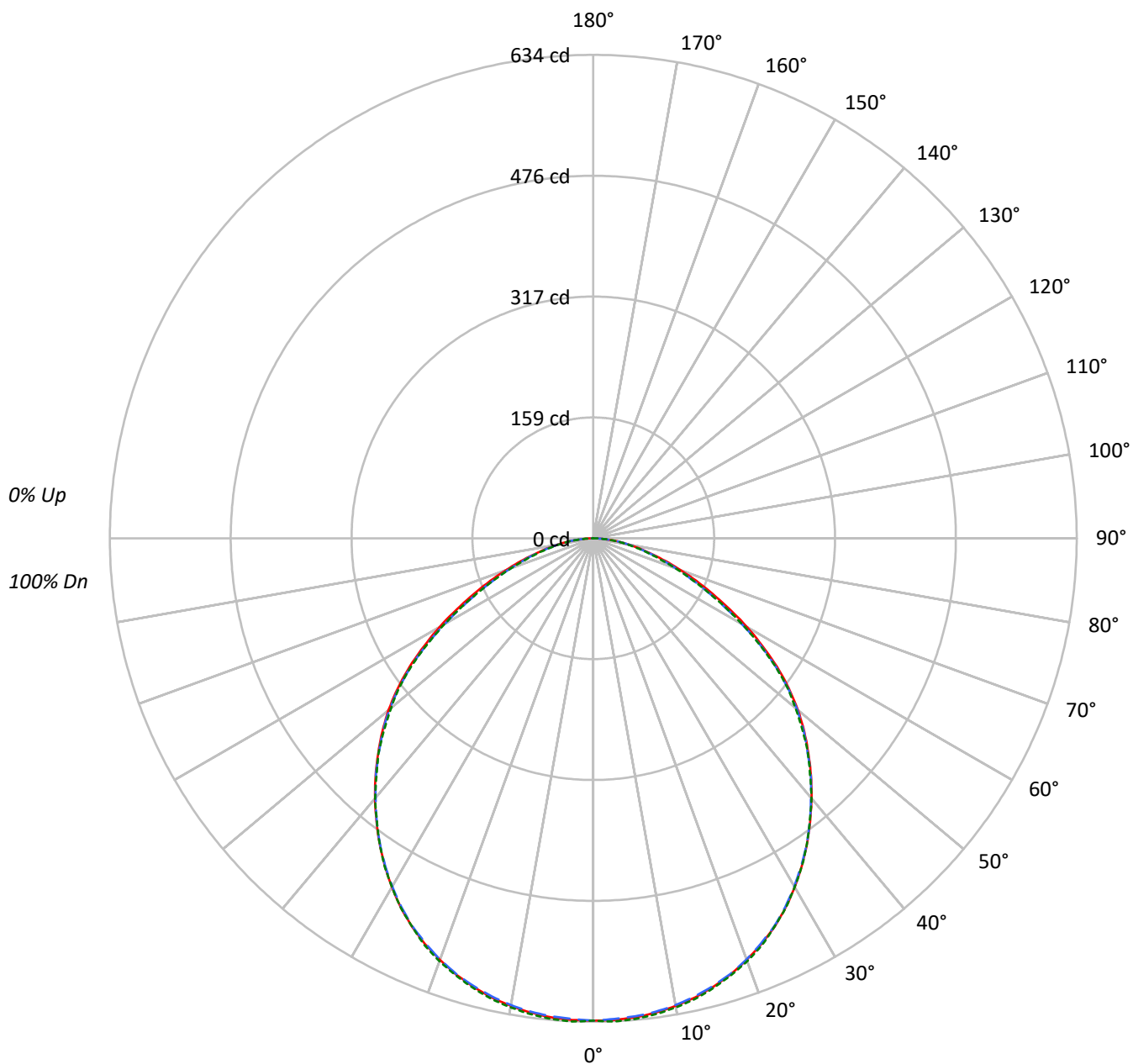
Lumens per Lamp: N/A
Luminaire Lumens: 1634.4 lumens
Efficiency: N/A
Efficacy: 109.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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	96	99	96	93	95	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72		
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61		
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46		
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36		
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	34	28	53	41	33	28	40	33	28	39	33	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°	60.0	3.7
10°-20°	171.9	10.5
20°-30°	258.7	15.8
30°-40°	305.4	18.7
40°-50°	307.1	18.8
50°-60°	259.3	15.9
60°-70°	166.5	10.2
70°-80°	82.8	5.1
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°	490.6	30.0
0°-40°	796.0	48.7
0°-60°	1362.4	83.4
0°-90°	1634.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1634.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	633	633	633	633	633	
5°	631	631	629	632	633	60
15°	609	609	608	610	610	172
25°	562	562	561	562	562	259
35°	489	489	488	489	489	306
45°	399	400	398	398	398	308
55°	294	294	291	290	290	262
65°	173	170	164	162	164	172
75°	79	79	76	76	75	86
85°	20	20	20	19	19	23
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	632.6	632.6	632.6	632.6	632.6
2.5°	632.3	632.6	630.9	633.9	634.4
5°	630.8	630.9	629.3	632.3	632.8
7.5°	627.5	627.7	626.3	629.1	629.6
10°	622.7	623.4	621.7	624.3	624.7
12.5°	616.7	617.0	615.3	618.3	618.8
15°	608.7	608.9	607.6	610.3	610.3
17.5°	599.5	599.7	598.8	601.1	600.9
20°	588.3	589.0	587.8	589.4	590.3
22.5°	576.1	576.4	574.9	577.0	577.9
25°	562.3	562.5	561.4	562.5	562.1
27.5°	546.2	546.7	545.1	546.2	546.5
30°	528.3	529.5	527.2	528.1	528.3
32.5°	509.0	509.7	508.1	508.4	509.5
35°	488.8	489.1	488.2	488.6	488.6
37.5°	467.1	468.0	466.6	467.2	466.3
40°	445.4	444.5	444.0	444.5	445.2
42.5°	422.7	422.9	422.3	421.8	420.7
45°	398.8	400.2	397.6	398.1	398.1
47.5°	375.4	375.6	374.3	372.9	371.9
50°	350.4	350.4	348.7	347.7	346.2
52.5°	323.1	322.6	320.8	319.6	320.3
55°	294.4	294.1	290.9	289.8	290.0
57.5°	262.9	263.4	258.6	257.4	257.4
60°	232.9	230.5	225.0	223.4	225.4
62.5°	201.3	198.6	192.6	192.6	194.2
65°	172.9	170.4	164.2	162.5	163.9
67.5°	146.3	143.9	138.2	137.3	137.7
70°	121.0	119.0	115.5	113.4	114.1
72.5°	99.2	97.4	95.0	93.4	92.5
75°	79.2	78.8	76.3	75.5	74.6
77.5°	62.7	62.5	60.4	59.5	58.6
80°	47.1	46.8	46.4	45.0	44.3
82.5°	33.5	33.5	33.3	32.1	31.5
85°	19.5	20.2	20.2	19.0	19.0
87.5°	7.8	8.3	7.8	7.8	7.6
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)