

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: P1046697

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

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046697
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-L930-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

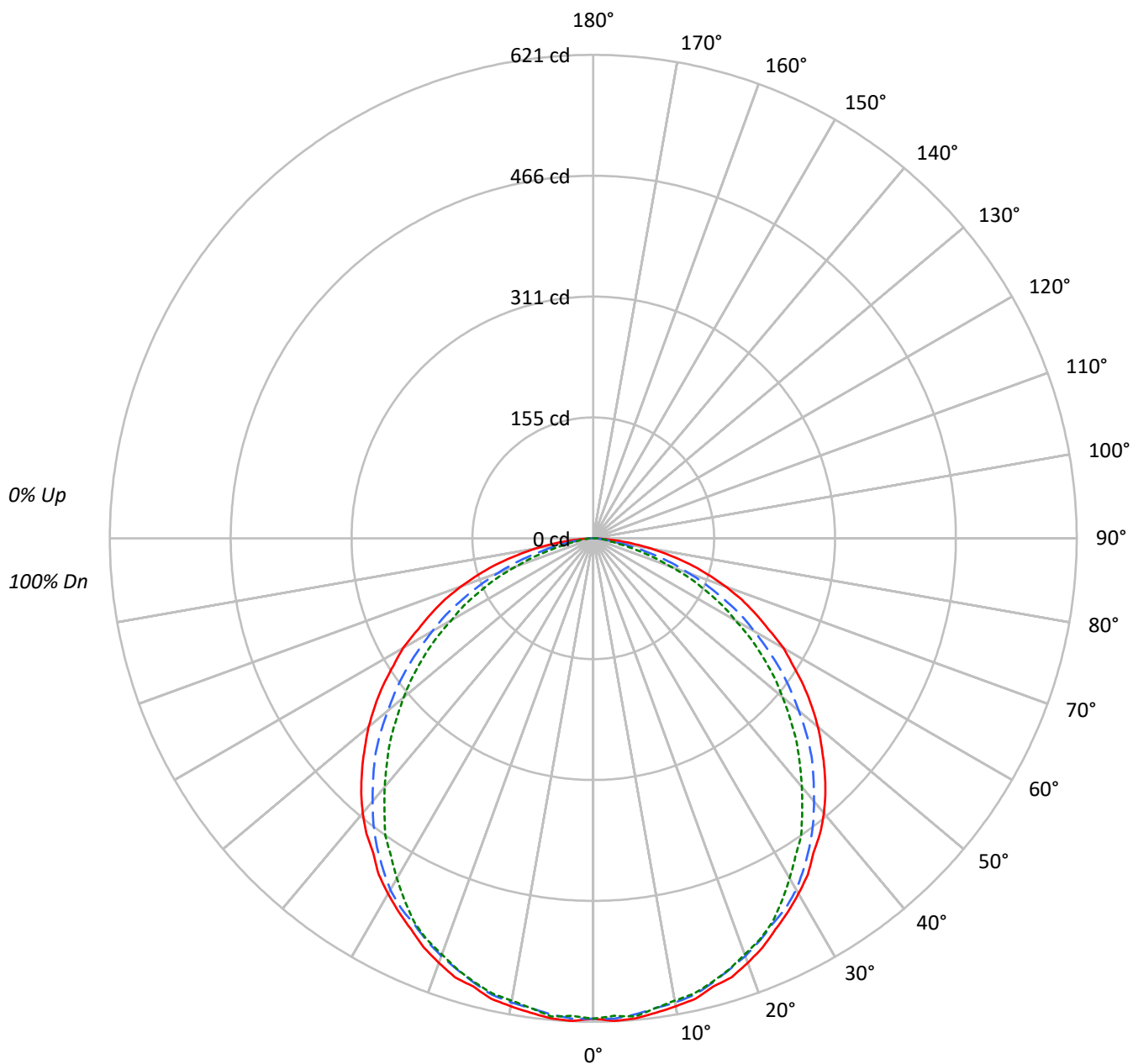
Lumens per Lamp: N/A
Luminaire Lumens: 1643.4 lumens
Efficiency: N/A
Efficacy: 109.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 15
Input Voltage (V): 120
Input Current (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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	109	105	101	97	107	103	99	96		98	95	93			95	92	90			91
2	100	92	85	80	97	90	84	79		87	81	77			83	79	75			80
3	91	81	73	67	89	79	72	66		76	70	65			74	68	64			71
4	84	72	63	57	81	71	63	56		68	61	56			66	60	55			64
5	77	64	56	49	75	63	55	49		61	54	48			59	53	48			57
6	71	58	49	43	69	57	49	43		55	48	42			54	47	42			52
7	66	53	44	38	64	52	44	38		50	43	38			49	42	37			48
8	61	48	40	34	60	47	39	34		46	39	34			45	38	33			44
9	57	44	36	31	56	44	36	30		42	35	30			41	35	30			40
10	54	41	33	28	53	40	33	28		39	32	28			38	32	27			37

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°	58.5	3.6
10°-20°	167.3	10.2
20°-30°	252.8	15.4
30°-40°	300.6	18.3
40°-50°	304.8	18.5
50°-60°	264.7	16.1
60°-70°	187.9	11.4
70°-80°	89.8	5.5
80°-90°	17.0	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°	478.6	29.1
0°-40°	779.2	47.4
0°-60°	1348.7	82.1
0°-90°	1643.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1643.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	617	617	617	617	617	
5°	619	617	614	616	617	59
15°	596	598	591	590	590	169
25°	554	553	546	548	544	256
35°	493	492	484	468	466	310
45°	420	416	396	376	369	324
55°	330	320	293	276	266	295
65°	230	213	185	165	159	228
75°	128	105	78	62	55	134
85°	25	13	11	11	11	32
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	617.0	617.0	617.0	617.0	617.0
2.5°	620.6	618.4	617.7	620.3	614.0
5°	619.2	617.0	614.0	615.5	616.6
7.5°	614.8	612.9	608.9	612.2	608.9
10°	610.4	608.5	605.6	606.7	603.0
12.5°	605.9	601.5	600.8	601.5	599.0
15°	596.0	597.5	591.2	590.5	590.1
17.5°	591.2	587.6	581.0	581.3	580.6
20°	580.2	575.8	571.0	570.3	568.8
22.5°	568.8	563.7	559.3	561.5	558.2
25°	554.1	553.4	546.0	548.3	544.2
27.5°	541.3	538.7	535.4	530.6	524.7
30°	527.3	524.7	521.4	508.9	504.5
32.5°	512.6	509.7	503.1	488.4	483.6
35°	493.1	492.4	484.3	467.8	465.6
37.5°	478.4	470.3	463.7	446.8	440.6
40°	460.8	456.4	441.0	424.8	416.7
42.5°	441.3	436.2	418.5	401.3	392.4
45°	420.0	416.3	396.5	375.5	369.3
47.5°	398.0	394.7	371.1	350.9	342.8
50°	376.6	372.6	344.3	324.8	317.5
52.5°	353.5	346.9	319.0	299.8	292.9
55°	329.6	319.7	292.9	275.6	266.0
57.5°	304.3	295.1	265.3	247.3	239.6
60°	282.2	269.3	238.8	220.5	210.6
62.5°	253.9	242.9	213.9	192.2	187.4
65°	230.4	213.1	185.2	165.4	159.1
67.5°	206.5	186.3	158.0	137.8	134.5
70°	180.4	159.5	130.4	110.6	105.1
72.5°	154.0	133.4	105.1	84.1	80.8
75°	128.2	104.7	77.9	61.7	54.8
77.5°	100.3	79.0	54.8	37.8	33.4
80°	74.6	53.3	31.6	22.4	22.0
82.5°	48.9	30.9	16.9	17.3	16.5
85°	25.0	13.2	11.4	11.0	10.7
87.5°	4.8	5.1	5.5	5.5	5.5
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° - - - 90°-270°



(END OF REPORT)