

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: P1046781

Luminaire Tested: 22PTR-20-PC3-L930-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046781
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-20-PC3-L930-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

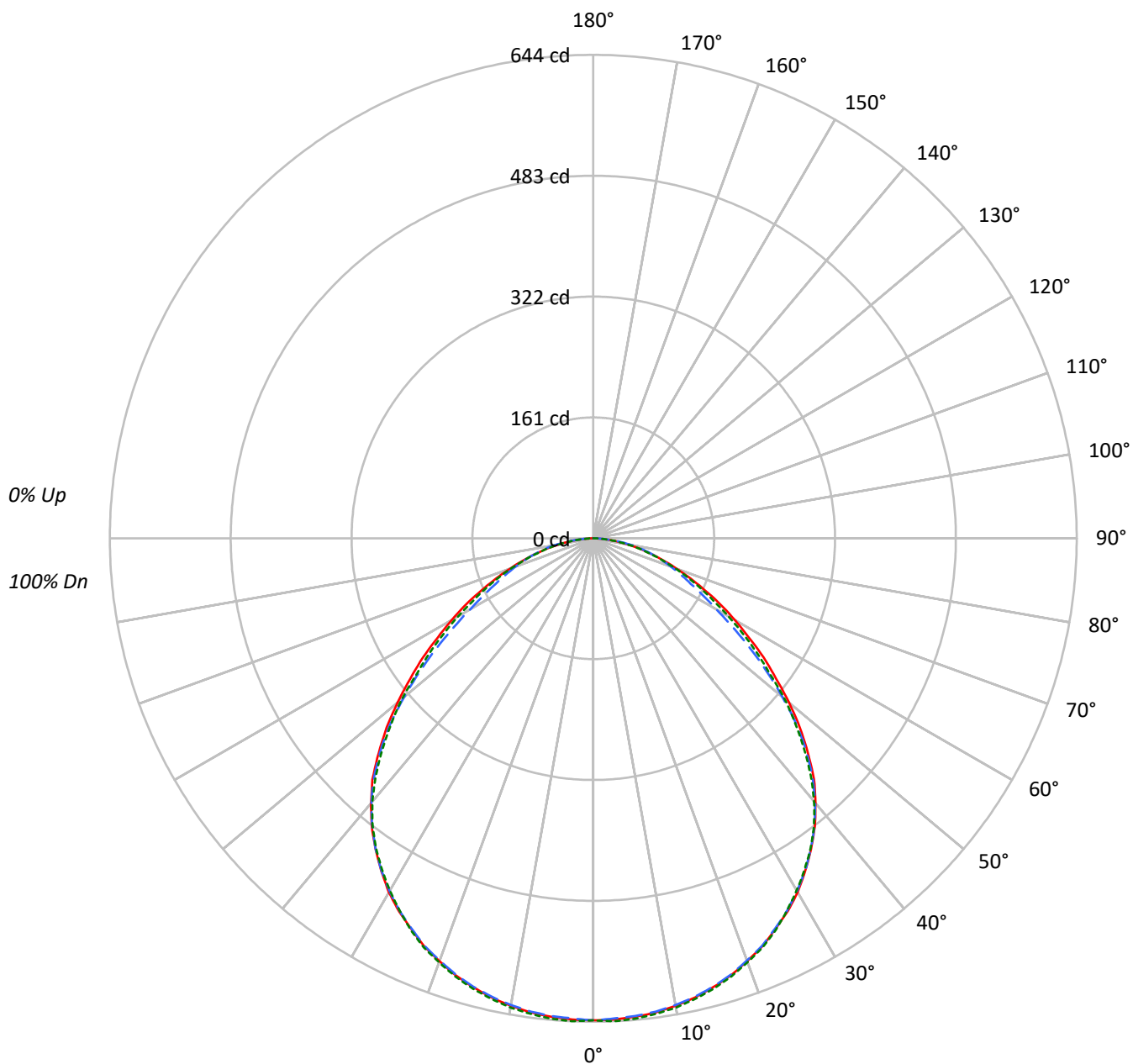
Lumens per Lamp: N/A
Luminaire Lumens: 1618.9 lumens
Efficiency: N/A
Efficacy: 107.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	110	105	101	98	107	103	99	96		99	96	93			95	92	90			91
2	100	93	86	81	98	91	85	80		87	82	78			84	80	76			81
3	92	82	74	68	90	80	73	68		77	71	66			75	70	65			72
4	85	73	65	58	82	72	64	58		69	63	57			67	61	56			65
5	78	66	57	51	76	65	56	50		62	55	50			61	54	49			59
6	72	59	51	45	70	58	50	44		57	49	44			55	49	44			53
7	67	54	46	40	65	53	45	39		52	44	39			50	44	39			49
8	62	49	41	35	61	49	41	35		47	40	35			46	40	35			45
9	58	45	37	32	57	45	37	32		44	37	32			43	36	32			42
10	55	42	34	29	54	41	34	29		40	34	29			40	33	29			39

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°	60.9	3.8
10°-20°	174.8	10.8
20°-30°	264.7	16.3
30°-40°	315.6	19.5
40°-50°	308.3	19.0
50°-60°	235.8	14.6
60°-70°	151.4	9.4
70°-80°	84.2	5.2
80°-90°	23.3	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°	500.4	30.9
0°-40°	816.0	50.4
0°-60°	1360.1	84.0
0°-90°	1618.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1618.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	642	642	642	642	642	
5°	640	640	639	642	642	61
15°	619	619	618	620	621	175
25°	574	575	573	575	576	265
35°	506	506	505	505	504	316
45°	404	405	401	400	397	311
55°	277	267	254	258	266	248
65°	164	152	143	148	158	164
75°	79	80	80	79	77	84
85°	17	20	20	20	17	21
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	642.1	642.1	642.1	642.1	642.1
2.5°	641.7	642.0	640.3	643.1	644.0
5°	639.9	640.3	638.7	641.7	642.4
7.5°	637.1	637.6	636.0	639.0	639.2
10°	632.5	632.8	631.4	634.4	634.8
12.5°	626.4	627.0	625.5	628.2	628.4
15°	618.9	619.4	618.3	620.4	621.0
17.5°	610.3	610.5	609.3	611.6	611.9
20°	599.4	599.4	598.5	601.1	601.1
22.5°	588.4	587.7	587.5	588.4	589.8
25°	574.2	574.9	573.3	575.1	575.6
27.5°	560.4	560.4	559.0	559.9	558.8
30°	544.6	543.7	542.8	542.9	541.8
32.5°	525.5	525.5	525.1	525.1	523.6
35°	505.8	506.2	505.3	505.0	504.4
37.5°	484.6	485.3	483.7	483.3	482.8
40°	460.5	460.5	459.8	458.9	457.7
42.5°	435.4	435.4	432.5	430.2	428.6
45°	404.2	405.1	401.2	400.3	397.1
47.5°	373.2	372.5	367.3	366.6	364.8
50°	340.1	336.2	328.7	330.7	332.4
52.5°	307.1	302.3	291.2	293.5	296.2
55°	277.0	267.4	254.5	257.7	266.0
57.5°	245.5	232.7	219.8	225.8	236.1
60°	217.7	203.3	189.3	195.7	207.6
62.5°	191.1	175.7	164.5	170.7	180.8
65°	164.5	151.8	143.1	147.9	157.8
67.5°	140.1	131.6	125.7	127.9	135.9
70°	118.1	112.7	109.6	110.2	114.8
72.5°	97.1	95.8	94.6	94.6	95.0
75°	79.0	79.7	80.4	79.3	77.4
77.5°	62.3	64.5	66.2	63.8	61.6
80°	45.7	49.4	51.5	48.9	45.5
82.5°	31.2	35.4	36.1	34.5	30.5
85°	17.2	20.2	20.4	19.8	17.2
87.5°	6.4	7.6	8.3	7.6	6.7
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)