

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: P1050894

Luminaire Tested: 24PTR-20-PP3-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050894
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-20-PP3-L930-UNV-STD-W
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

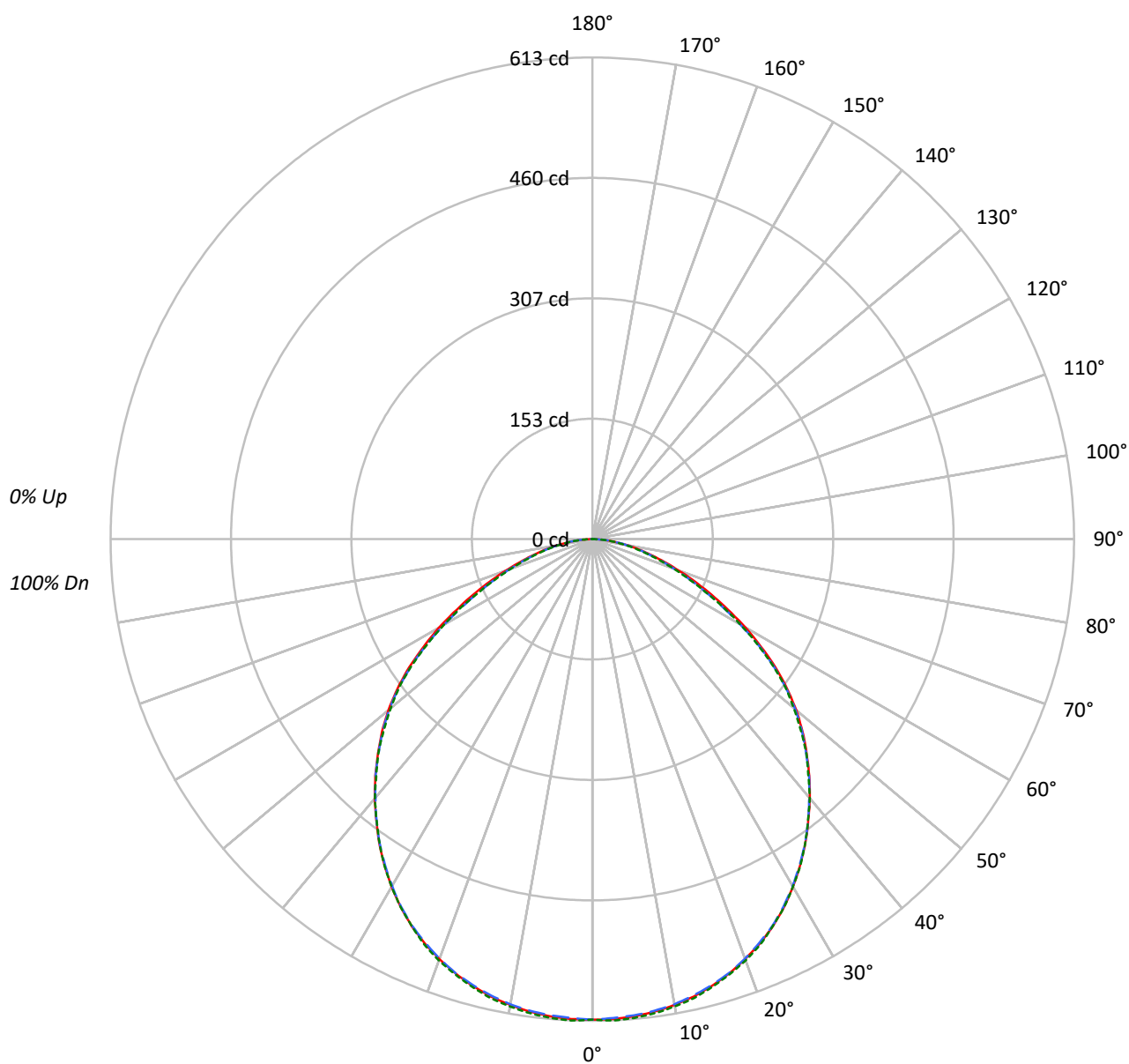
Lumens per Lamp: N/A
Luminaire Lumens: 1580.1 lumens
Efficiency: N/A
Efficacy: 105.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	823	823	823
5°	824	822	826
10°	822	821	825
15°	820	818	822
20°	814	814	817
25°	807	806	807
30°	793	792	793
35°	776	775	776
40°	756	754	756
45°	734	731	732
50°	709	706	701
55°	668	660	658
60°	606	585	586
65°	532	505	505
70°	460	439	434
75°	398	383	375
80°	353	347	332
85°	292	301	284

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 736 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.0	3.7
10°-20°	166.2	10.5
20°-30°	250.1	15.8
30°-40°	295.2	18.7
40°-50°	296.9	18.8
50°-60°	250.7	15.9
60°-70°	161.0	10.2
70°-80°	80.1	5.1
80°-90°	21.9	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°	474.3	30.0
0°-40°	769.5	48.7
0°-60°	1317.1	83.4
0°-90°	1580.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1580.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	612	612	612	612	612	
5°	610	610	608	611	612	58
15°	588	589	587	590	590	166
25°	544	544	543	544	543	250
35°	473	473	472	472	472	295
45°	386	387	384	385	385	298
55°	285	284	281	280	280	253
65°	167	165	159	157	158	167
75°	76	76	74	73	72	83
85°	19	20	20	18	18	22
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	611.6	611.6	611.6	611.6	611.6
2.5°	611.3	611.6	610.0	612.9	613.3
5°	609.8	610.0	608.4	611.3	611.7
7.5°	606.6	606.9	605.5	608.2	608.7
10°	602.0	602.7	601.1	603.6	604.0
12.5°	596.2	596.5	594.9	597.8	598.3
15°	588.5	588.7	587.4	590.0	590.0
17.5°	579.5	579.8	578.9	581.2	580.9
20°	568.7	569.4	568.2	569.8	570.7
22.5°	557.0	557.2	555.8	557.8	558.7
25°	543.6	543.8	542.8	543.8	543.4
27.5°	528.1	528.5	527.0	528.1	528.3
30°	510.7	511.9	509.7	510.6	510.7
32.5°	492.1	492.8	491.2	491.5	492.6
35°	472.6	472.8	471.9	472.3	472.3
37.5°	451.5	452.4	451.1	451.7	450.8
40°	430.6	429.8	429.3	429.8	430.4
42.5°	408.6	408.9	408.2	407.7	406.7
45°	385.6	386.9	384.4	384.9	384.9
47.5°	363.0	363.1	361.8	360.5	359.6
50°	338.8	338.8	337.2	336.1	334.7
52.5°	312.3	311.9	310.1	309.0	309.7
55°	284.6	284.3	281.3	280.1	280.4
57.5°	254.2	254.6	250.0	248.8	248.8
60°	225.1	222.9	217.5	216.0	217.9
62.5°	194.6	192.0	186.2	186.2	187.8
65°	167.1	164.7	158.7	157.1	158.5
67.5°	141.4	139.1	133.7	132.8	133.2
70°	117.0	115.0	111.6	109.6	110.3
72.5°	95.9	94.1	91.9	90.3	89.5
75°	76.5	76.1	73.7	73.0	72.1
77.5°	60.6	60.4	58.4	57.5	56.6
80°	45.5	45.3	44.8	43.5	42.8
82.5°	32.4	32.4	32.2	31.1	30.4
85°	18.9	19.5	19.5	18.4	18.4
87.5°	7.6	8.0	7.6	7.6	7.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)