

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: P1050905

Luminaire Tested: 24PTR-20-PP3-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050905
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-L935-UNV-STD-W
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

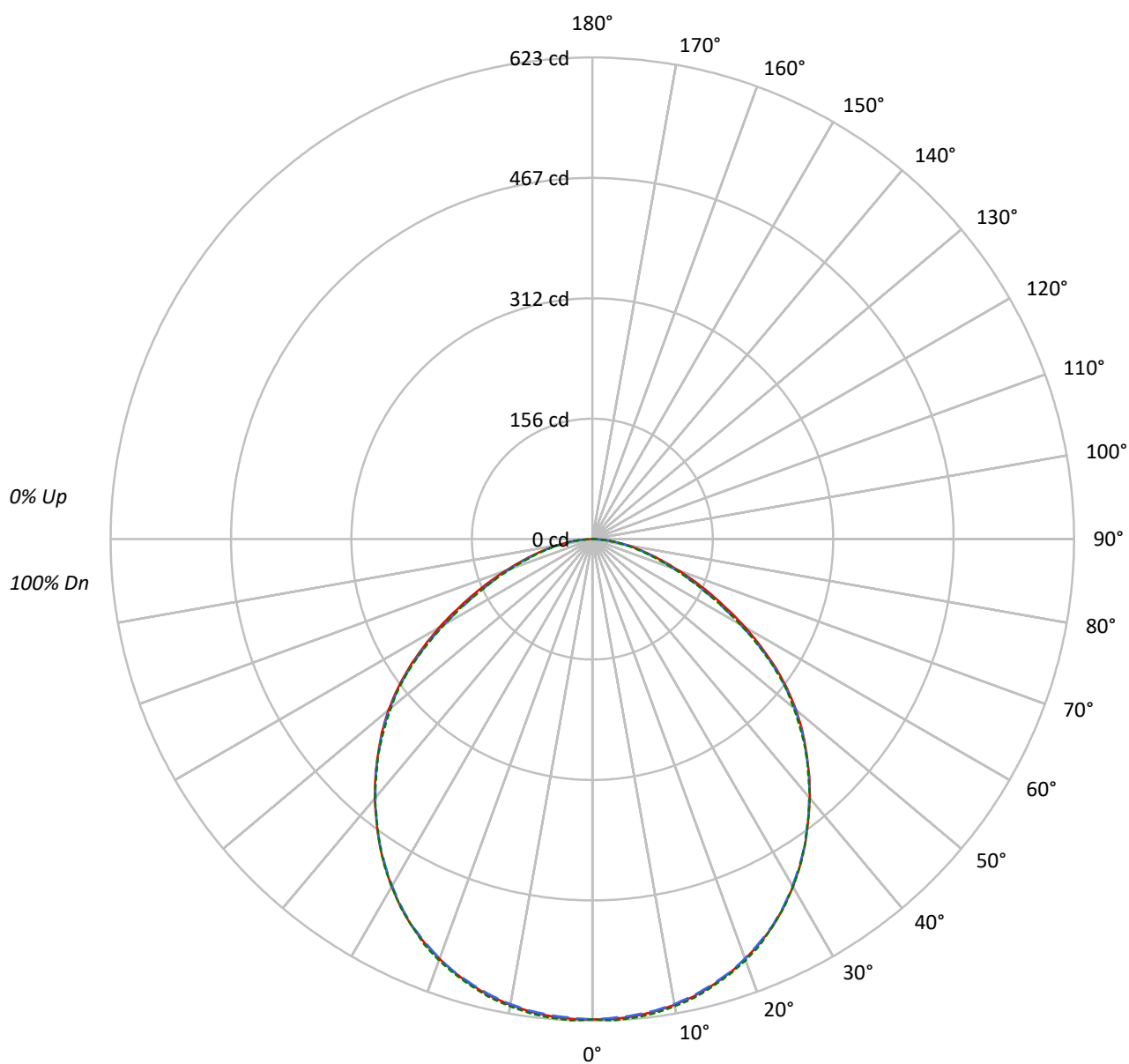
Lumens per Lamp: N/A
Luminaire Lumens: 1605.3 lumens
Efficiency: N/A
Efficacy: 107.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	836	836	836
5°	837	835	839
10°	836	834	838
15°	833	831	835
20°	827	827	830
25°	820	819	820
30°	806	804	806
35°	789	788	788
40°	768	766	768
45°	745	743	744
50°	720	717	712
55°	678	670	668
60°	615	595	596
65°	541	514	513
70°	467	446	441
75°	404	389	381
80°	358	353	337
85°	296	306	289

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 748 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.9	3.7
10°-20°	168.8	10.5
20°-30°	254.1	15.8
30°-40°	299.9	18.7
40°-50°	301.7	18.8
50°-60°	254.7	15.9
60°-70°	163.6	10.2
70°-80°	81.4	5.1
80°-90°	22.3	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°	481.9	30.0
0°-40°	781.8	48.7
0°-60°	1338.2	83.4
0°-90°	1605.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1605.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	621	621	621	621	621	
5°	620	620	618	621	622	59
15°	598	598	597	599	599	169
25°	552	552	551	552	552	254
35°	480	480	480	480	480	300
45°	392	393	391	391	391	302
55°	289	289	286	285	285	257
65°	170	167	161	160	161	169
75°	78	77	75	74	73	84
85°	19	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°	621.3	621.3	621.3	621.3	621.3
2.5°	621.1	621.3	619.7	622.6	623.1
5°	619.5	619.7	618.1	621.1	621.5
7.5°	616.3	616.6	615.2	617.9	618.4
10°	611.6	612.3	610.7	613.2	613.6
12.5°	605.8	606.0	604.4	607.3	607.8
15°	597.9	598.1	596.7	599.4	599.4
17.5°	588.8	589.0	588.1	590.4	590.2
20°	577.8	578.5	577.3	578.9	579.8
22.5°	565.8	566.1	564.7	566.7	567.6
25°	552.3	552.5	551.4	552.5	552.1
27.5°	536.5	536.9	535.4	536.5	536.8
30°	518.9	520.0	517.8	518.7	518.9
32.5°	500.0	500.6	499.1	499.3	500.5
35°	480.1	480.4	479.5	479.9	479.9
37.5°	458.7	459.6	458.2	458.9	458.0
40°	437.5	436.6	436.1	436.6	437.3
42.5°	415.1	415.4	414.7	414.2	413.2
45°	391.7	393.1	390.6	391.1	391.1
47.5°	368.8	368.9	367.6	366.2	365.3
50°	344.2	344.2	342.5	341.5	340.1
52.5°	317.3	316.9	315.1	313.9	314.6
55°	289.1	288.9	285.8	284.6	284.8
57.5°	258.2	258.7	254.0	252.8	252.8
60°	228.7	226.4	221.0	219.5	221.4
62.5°	197.7	195.0	189.2	189.2	190.8
65°	169.8	167.3	161.3	159.6	161.0
67.5°	143.7	141.4	135.8	134.9	135.3
70°	118.8	116.9	113.4	111.4	112.1
72.5°	97.4	95.6	93.3	91.8	90.9
75°	77.8	77.4	74.9	74.2	73.3
77.5°	61.5	61.4	59.3	58.4	57.5
80°	46.2	46.0	45.6	44.2	43.5
82.5°	32.9	32.9	32.7	31.5	30.9
85°	19.2	19.8	19.8	18.7	18.7
87.5°	7.7	8.1	7.7	7.7	7.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)