

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: P1050971

Luminaire Tested: 24PTR-20-PR1-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050971
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-20-PR1-L930-UNV-STD-W
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

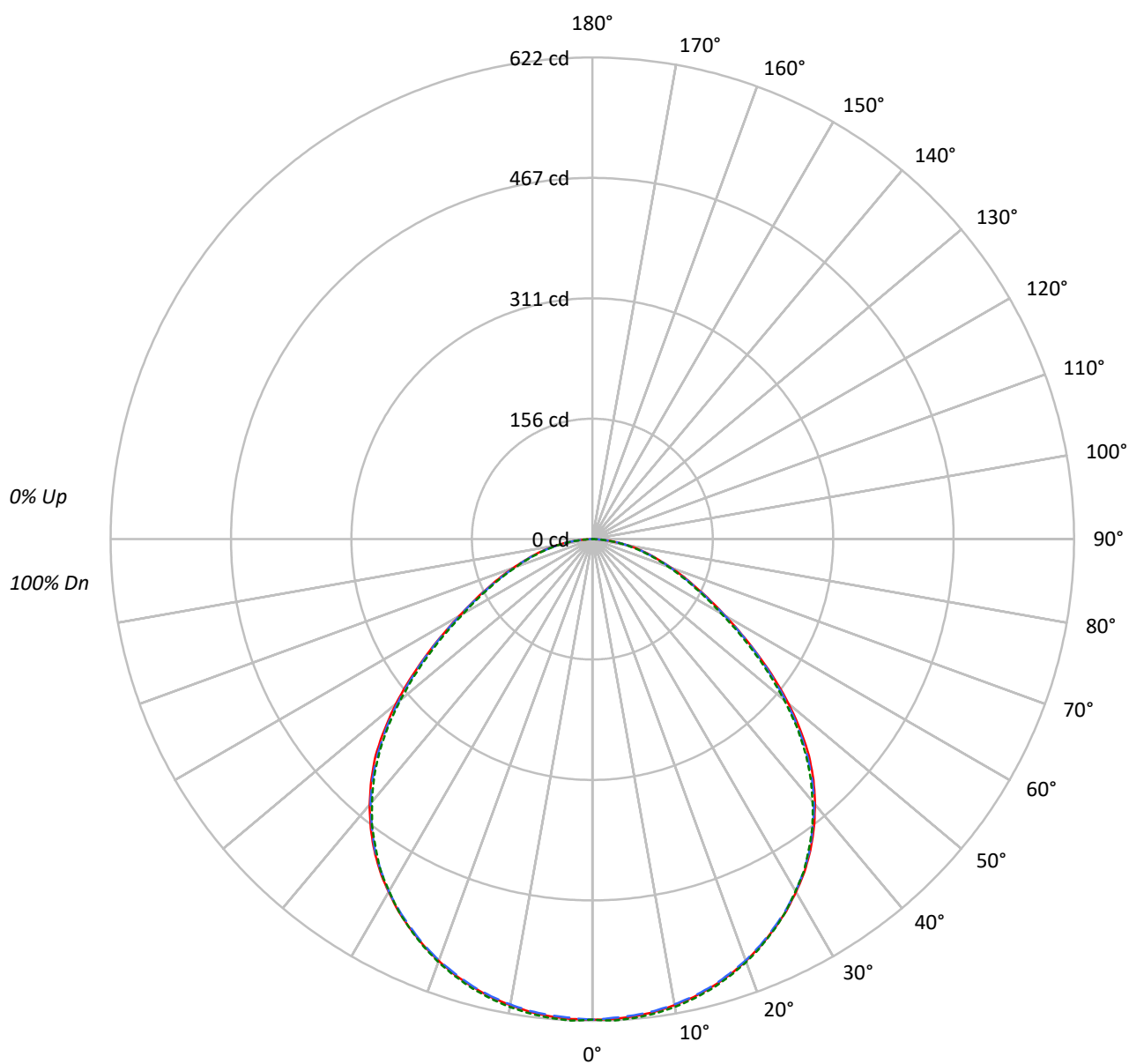
Lumens per Lamp: N/A
Luminaire Lumens: 1569.5 lumens
Efficiency: N/A
Efficacy: 104.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	835	835	835
5°	836	834	838
10°	835	834	838
15°	834	832	836
20°	830	829	832
25°	825	823	826
30°	817	816	815
35°	806	804	801
40°	786	782	777
45°	753	744	739
50°	693	685	677
55°	613	610	598
60°	533	531	516
65°	470	467	457
70°	426	420	411
75°	395	385	378
80°	360	355	343
85°	284	283	270

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 753 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.9	3.8
10°-20°	169.0	10.8
20°-30°	256.0	16.3
30°-40°	305.6	19.5
40°-50°	300.5	19.1
50°-60°	232.3	14.8
60°-70°	146.5	9.3
70°-80°	79.2	5.0
80°-90°	21.6	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°	483.8	30.8
0°-40°	789.4	50.3
0°-60°	1322.1	84.2
0°-90°	1569.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1569.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	621	621	621	621	621	
5°	619	619	617	620	621	59
15°	598	598	598	599	600	169
25°	556	556	554	556	556	256
35°	491	491	490	489	488	306
45°	396	394	391	388	388	303
55°	261	264	260	256	255	235
65°	148	148	147	144	144	148
75°	76	75	74	74	73	81
85°	18	19	18	18	18	22
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	620.6	620.6	620.6	620.6	620.6
2.5°	620.3	620.6	618.8	621.7	622.4
5°	618.8	619.1	617.4	620.1	620.8
7.5°	615.7	616.1	614.6	617.3	617.9
10°	611.2	611.7	610.2	612.8	613.5
12.5°	605.7	605.9	604.6	607.0	607.7
15°	598.4	598.5	597.5	599.4	600.3
17.5°	589.9	590.1	588.6	591.0	591.4
20°	579.7	579.9	579.0	581.0	581.2
22.5°	568.3	568.8	567.4	569.2	569.4
25°	555.5	555.9	554.1	555.9	556.1
27.5°	541.9	542.0	540.5	541.9	541.6
30°	526.0	527.4	525.4	524.9	524.7
32.5°	509.6	509.8	507.8	507.4	508.3
35°	490.7	490.9	489.6	488.9	487.6
37.5°	470.0	470.0	467.5	467.1	466.9
40°	447.3	447.1	445.5	444.0	442.4
42.5°	422.6	423.1	419.9	417.3	416.9
45°	395.7	394.1	391.2	388.2	388.4
47.5°	363.9	364.3	360.4	357.9	357.2
50°	330.9	330.9	327.2	324.6	323.2
52.5°	296.5	296.8	293.2	289.6	288.9
55°	261.4	263.5	260.2	256.0	255.1
57.5°	228.5	230.2	227.1	222.6	222.4
60°	198.0	198.2	197.3	193.1	191.9
62.5°	172.0	170.8	170.4	168.2	166.8
65°	147.5	147.7	146.6	144.1	143.7
67.5°	127.7	127.4	125.4	123.9	123.0
70°	108.3	107.6	106.8	105.5	104.6
72.5°	91.0	91.0	90.3	89.9	88.3
75°	75.9	75.0	74.1	74.5	72.7
77.5°	61.4	60.5	59.8	58.9	58.5
80°	46.5	45.6	45.8	44.4	44.3
82.5°	32.2	32.2	31.8	30.7	31.0
85°	18.4	18.7	18.3	18.4	17.5
87.5°	6.7	6.9	7.4	6.9	6.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)