

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: P1046992

Luminaire Tested: 22PTR-25-PW1-L930-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046992
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-25-PW1-L930-UNV-STD-W
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

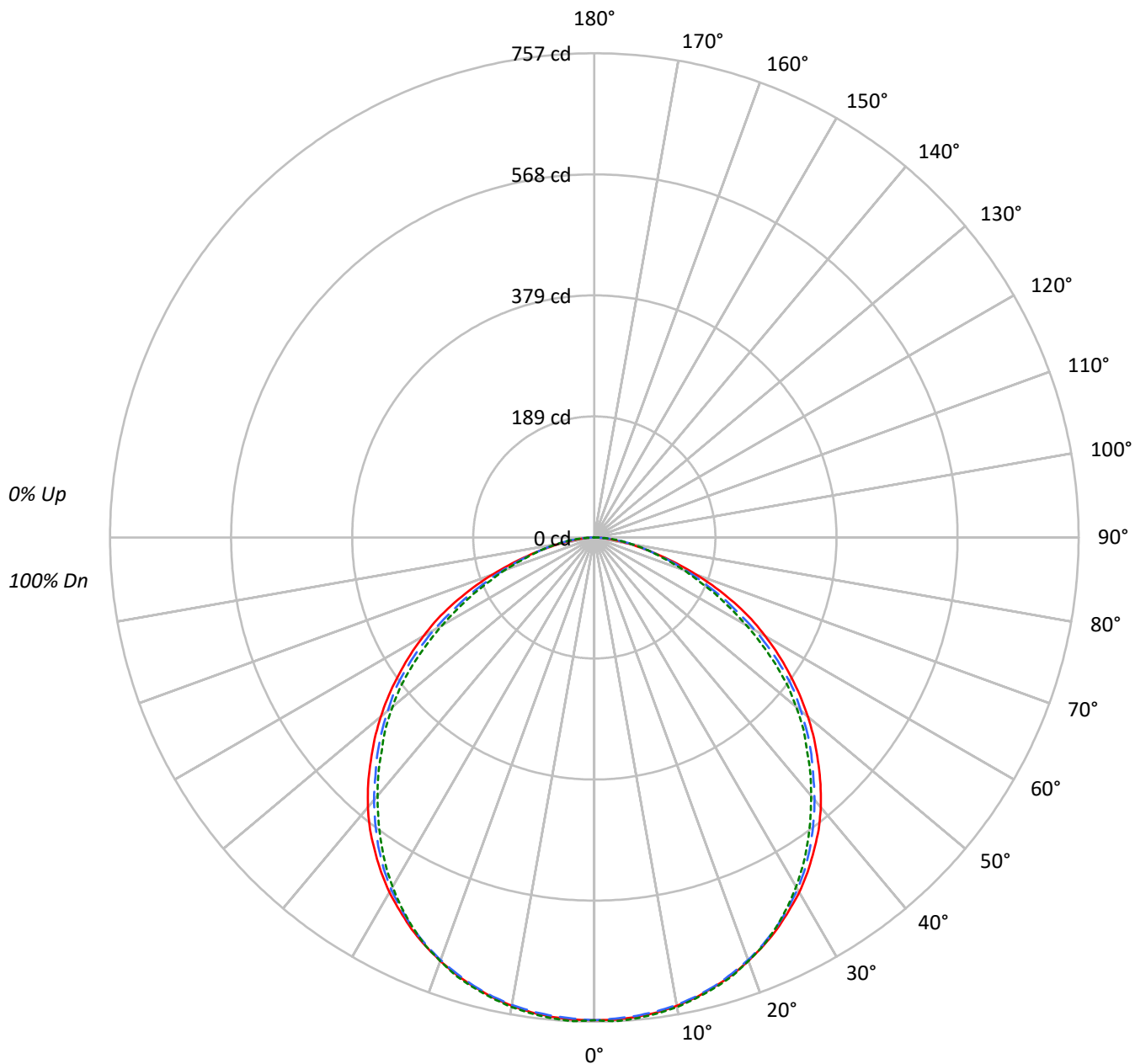
Lumens per Lamp: N/A
Luminaire Lumens: 2003.0 lumens
Efficiency: N/A
Efficacy: 105.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 19
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	95	98	95	92	94	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52		
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31		
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26		

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°	71.6	3.6
10°-20°	205.3	10.3
20°-30°	310.3	15.5
30°-40°	368.4	18.4
40°-50°	371.2	18.5
50°-60°	320.8	16.0
60°-70°	219.3	10.9
70°-80°	108.1	5.4
80°-90°	28.0	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°	587.2	29.3
0°-40°	955.6	47.7
0°-60°	1647.7	82.3
0°-90°	2003.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2003.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	755	755	755	755	755	
5°	752	753	751	754	755	72
15°	727	728	726	729	729	205
25°	676	675	673	674	672	311
35°	598	596	589	584	581	374
45°	494	489	480	474	470	381
55°	373	371	360	349	346	333
65°	241	232	219	209	208	238
75°	102	101	100	100	97	111
85°	19	23	25	25	25	24
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	754.8	754.8	754.8	754.8	754.8
2.5°	754.6	754.8	752.9	756.2	757.0
5°	752.5	752.9	750.9	754.0	754.8
7.5°	749.0	749.5	747.3	750.3	750.9
10°	743.6	743.9	742.0	745.0	745.6
12.5°	736.4	736.6	735.0	737.7	737.7
15°	727.1	728.0	726.0	728.6	728.8
17.5°	716.8	717.1	715.1	717.9	718.5
20°	704.5	704.5	702.9	705.1	704.5
22.5°	690.8	690.8	688.8	689.9	690.5
25°	675.7	675.1	672.9	673.5	672.4
27.5°	658.3	658.3	654.4	654.4	652.4
30°	640.8	639.3	635.2	632.6	630.7
32.5°	620.5	618.6	613.3	608.8	607.4
35°	598.0	595.9	588.9	583.6	581.4
37.5°	576.1	571.7	562.4	557.1	554.6
40°	550.6	545.0	535.6	528.3	527.1
42.5°	523.3	518.8	506.5	501.1	499.8
45°	494.2	488.8	479.6	474.0	469.8
47.5°	465.7	461.7	451.1	444.4	443.0
50°	435.7	432.3	421.4	414.2	411.7
52.5°	404.7	402.4	393.2	383.9	380.9
55°	372.6	371.4	360.0	349.3	345.6
57.5°	341.0	339.5	325.2	312.9	309.6
60°	307.9	303.8	289.7	278.3	274.6
62.5°	276.6	267.7	252.5	243.6	239.4
65°	240.8	232.1	218.7	209.1	207.8
67.5°	205.6	195.2	184.9	179.0	174.5
70°	168.9	161.9	154.1	149.1	148.3
72.5°	134.8	129.8	125.8	122.8	120.2
75°	102.0	101.2	99.8	99.8	97.1
77.5°	75.0	76.9	78.0	77.7	78.4
80°	52.0	55.9	58.1	58.4	58.1
82.5°	33.0	37.5	41.2	41.7	42.3
85°	19.3	22.7	24.9	25.4	24.9
87.5°	8.6	10.9	11.5	12.0	11.5
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)