

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: P1046744

Luminaire Tested: 22PTR-20-PB1-L935-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046744
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-20-PB1-L935-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

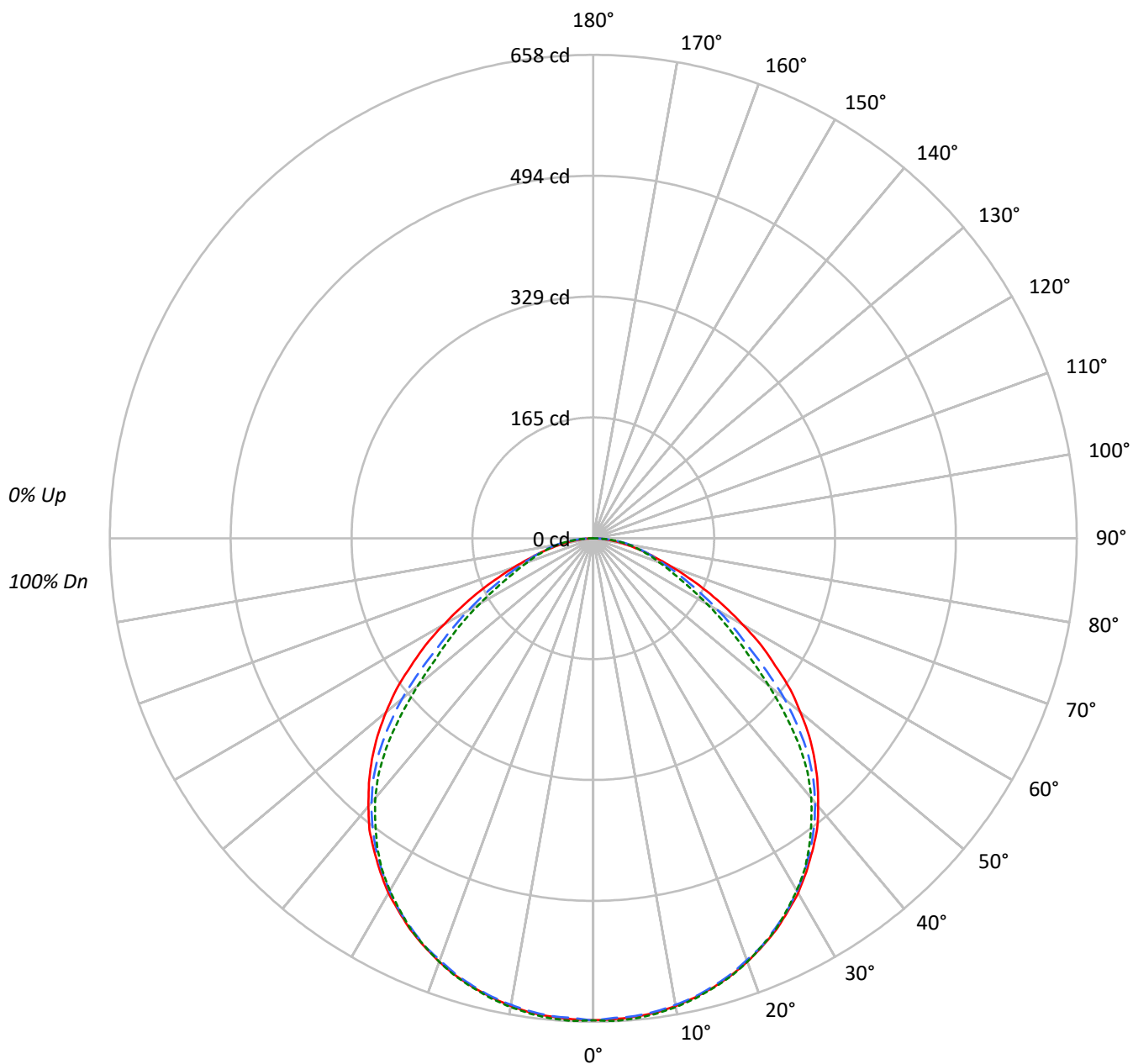
Lumens per Lamp: N/A
Luminaire Lumens: 1636.0 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 15
Input Voltage (V): 120
Input Current (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	93	90	91	89	88	86		
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62		
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54		
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47		
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37		
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33		
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30		
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27		

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°	62.2	3.8
10°-20°	178.5	10.9
20°-30°	270.4	16.5
30°-40°	322.2	19.7
40°-50°	315.1	19.3
50°-60°	238.3	14.6
60°-70°	146.4	8.9
70°-80°	78.0	4.8
80°-90°	24.9	1.5
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°	511.1	31.2
0°-40°	833.3	50.9
0°-60°	1386.7	84.8
0°-90°	1636.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1636.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	656	656	656	656	656	
5°	654	654	653	655	656	62
15°	633	634	631	634	634	179
25°	588	588	586	587	588	271
35°	520	519	516	513	512	325
45°	426	424	412	399	395	328
55°	303	287	258	243	239	271
65°	170	157	144	132	128	169
75°	73	74	74	72	70	78
85°	16	21	26	24	23	19
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	656.1	656.1	656.1	656.1	656.1
2.5°	655.3	656.1	653.6	656.9	657.7
5°	653.6	654.5	652.9	655.3	656.1
7.5°	651.3	651.3	649.7	652.0	652.9
10°	646.4	646.4	644.8	647.2	648.0
12.5°	640.0	640.0	639.1	640.8	641.6
15°	632.7	633.5	631.1	633.5	633.5
17.5°	623.8	623.1	622.2	623.8	624.7
20°	613.3	613.3	610.9	612.5	613.3
22.5°	601.2	601.2	600.4	601.2	600.4
25°	588.3	587.5	585.9	586.7	587.5
27.5°	573.0	573.0	571.4	571.4	570.5
30°	557.6	556.8	554.4	552.8	553.6
32.5°	539.1	538.2	535.9	534.3	535.0
35°	519.7	518.9	515.7	513.3	512.5
37.5°	500.4	497.9	493.8	490.6	487.4
40°	476.1	473.7	469.7	462.4	461.6
42.5°	451.9	449.5	443.0	434.2	431.7
45°	426.1	423.7	412.3	398.6	395.4
47.5°	398.6	394.6	376.8	359.9	353.5
50°	368.0	360.7	339.7	318.0	310.7
52.5°	338.1	325.3	297.8	278.4	271.2
55°	302.6	287.3	257.5	242.9	238.8
57.5°	271.2	250.2	226.0	211.5	208.2
60°	234.9	215.4	196.1	183.2	178.3
62.5°	201.7	184.8	168.7	157.3	151.7
65°	170.3	156.6	143.7	132.3	128.4
67.5°	139.6	132.3	121.8	113.0	110.6
70°	113.8	109.7	102.5	98.4	95.2
72.5°	90.4	92.0	87.2	85.6	83.1
75°	72.6	73.5	74.2	71.8	70.2
77.5°	54.9	58.9	62.1	60.5	58.9
80°	41.2	45.2	50.8	48.5	48.5
82.5°	28.2	33.1	38.0	36.3	35.5
85°	16.2	21.0	25.8	24.2	22.6
87.5°	6.4	10.5	11.3	11.3	10.5
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)