

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: P1046860

Luminaire Tested: 22PTR-20-PLG-L850-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046860
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-20-PLG-L850-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

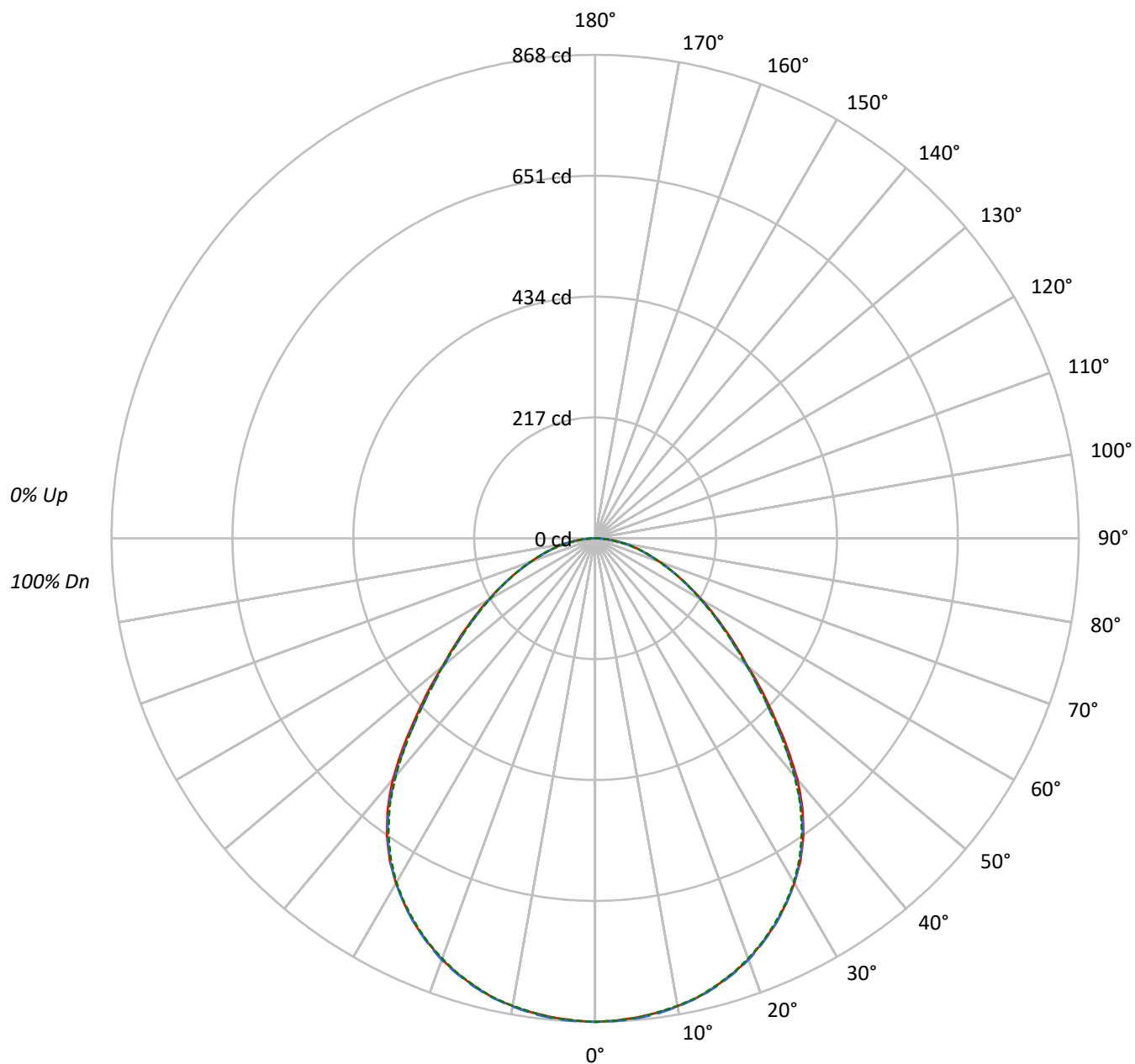
Lumens per Lamp: N/A
Luminaire Lumens: 1956.9 lumens
Efficiency: N/A
Efficacy: 130.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 15
Input Voltage (V): 120
Input Current (A_{in}): 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	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86		
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74		
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64		
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56		
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49		
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43		
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39		
8	64	51	43	38	62	51	43	38	49	42	37	48	42	37	47	41	37	35		
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32		
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29		

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°	82.2	4.2
10°-20°	235.3	12.0
20°-30°	352.0	18.0
30°-40°	403.3	20.6
40°-50°	348.8	17.8
50°-60°	252.5	12.9
60°-70°	166.3	8.5
70°-80°	90.5	4.6
80°-90°	25.9	1.3
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°	669.5	34.2
0°-40°	1072.9	54.8
0°-60°	1674.2	85.6
0°-90°	1956.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1956.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	868	868	868	868	868	
5°	864	865	865	865	864	82
15°	833	834	835	836	833	235
25°	765	765	766	766	763	352
35°	652	651	650	649	647	405
45°	456	454	448	448	450	353
55°	284	282	279	277	280	255
65°	168	169	166	165	167	167
75°	86	86	84	84	86	91
85°	23	23	23	23	20	26
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	868.5	868.5	868.5	868.5	868.5
2.5°	866.6	868.5	867.9	868.5	866.6
5°	863.5	865.4	865.4	865.4	864.2
7.5°	859.2	860.5	861.1	861.7	858.6
10°	853.1	854.3	853.7	854.9	852.5
12.5°	845.1	845.1	845.7	846.9	844.4
15°	833.3	834.0	834.6	835.8	832.7
17.5°	819.8	820.4	821.0	821.6	819.2
20°	804.4	804.4	805.6	806.2	803.1
22.5°	785.3	785.3	786.5	788.3	784.6
25°	764.9	764.9	765.5	766.2	763.1
27.5°	740.9	740.9	741.5	743.4	739.7
30°	715.0	714.4	715.0	715.6	713.2
32.5°	686.0	685.4	684.8	685.4	682.3
35°	651.5	650.9	649.7	649.0	646.6
37.5°	611.4	610.2	607.7	607.7	605.3
40°	564.6	561.5	558.4	557.2	556.6
42.5°	510.4	507.9	503.6	503.0	503.0
45°	455.5	454.3	448.1	447.5	450.0
47.5°	406.2	403.1	397.6	396.3	400.0
50°	357.5	358.1	353.2	351.3	355.0
52.5°	319.3	318.1	313.7	312.5	315.6
55°	283.5	282.3	279.2	277.4	279.8
57.5°	250.9	250.2	247.2	246.6	247.8
60°	221.3	220.7	218.2	217.6	218.2
62.5°	193.5	193.5	191.1	189.8	191.7
65°	167.7	168.9	166.4	165.2	167.0
67.5°	144.2	145.5	143.0	141.8	144.2
70°	122.0	123.3	120.8	119.6	122.0
72.5°	102.9	103.6	101.7	101.1	104.2
75°	85.7	85.7	84.4	84.4	85.7
77.5°	69.7	69.0	68.4	68.4	67.2
80°	53.6	53.0	53.0	53.0	51.2
82.5°	38.2	37.0	37.6	38.2	35.1
85°	22.8	22.8	22.8	23.4	20.3
87.5°	9.2	9.2	8.6	9.2	8.0
90°	0.0	0.0	0.0	0.0	0.0



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)