

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: P1046870

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

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046870
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-L935-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

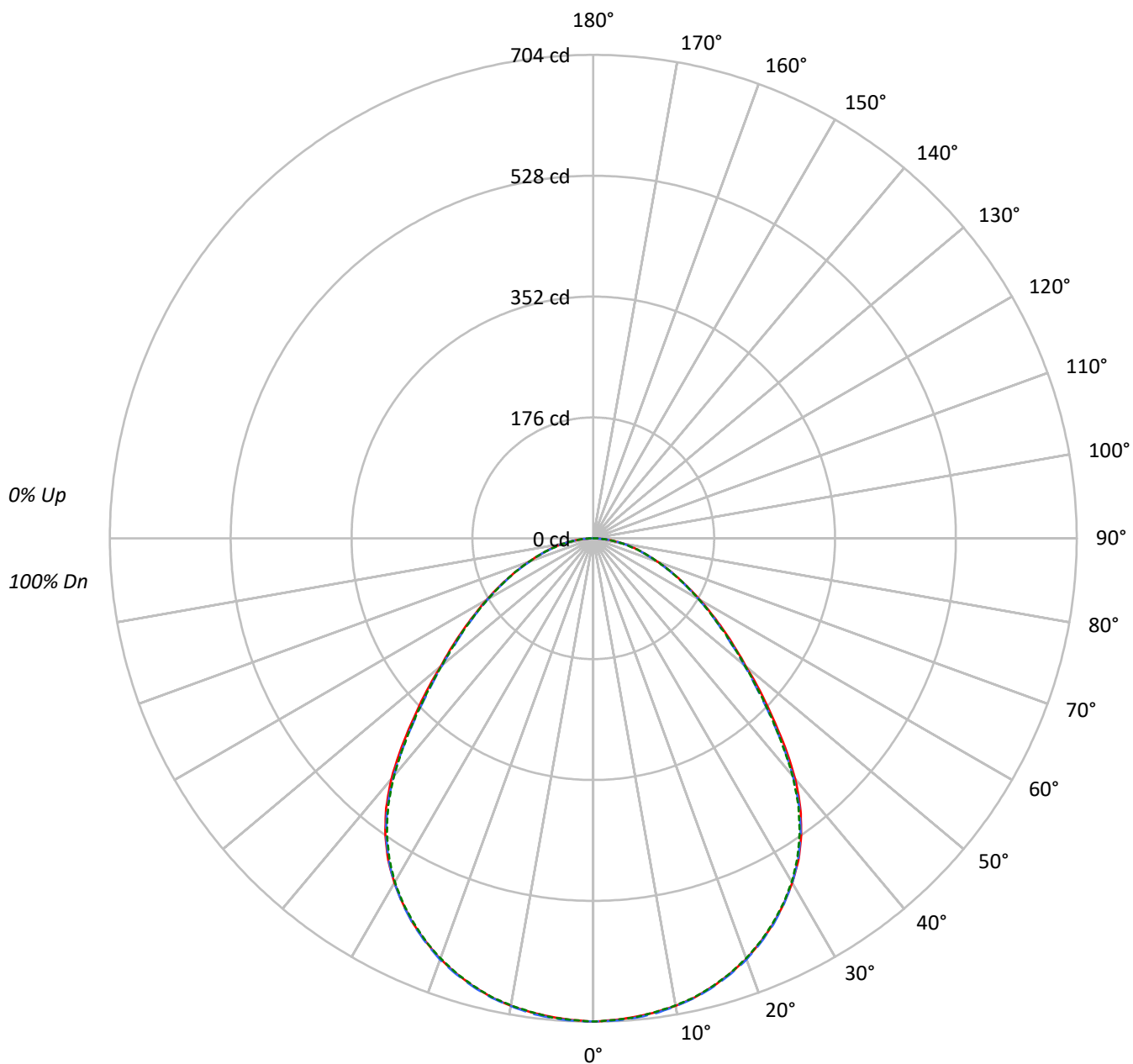
Lumens per Lamp: N/A
Luminaire Lumens: 1585.6 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 15
Input Voltage (V): 120
Input Current (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	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°	66.6	4.2
10°-20°	190.6	12.0
20°-30°	285.2	18.0
30°-40°	326.8	20.6
40°-50°	282.6	17.8
50°-60°	204.6	12.9
60°-70°	134.7	8.5
70°-80°	73.3	4.6
80°-90°	21.0	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°	542.5	34.2
0°-40°	869.3	54.8
0°-60°	1356.5	85.6
0°-90°	1585.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1585.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	704	704	704	704	704	
5°	700	701	701	701	700	67
15°	675	676	676	677	675	190
25°	620	620	620	621	618	285
35°	528	527	526	526	524	328
45°	369	368	363	363	365	286
55°	230	229	226	225	227	207
65°	136	137	135	134	135	136
75°	69	69	68	68	69	74
85°	18	18	18	19	16	21
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	703.7	703.7	703.7	703.7	703.7
2.5°	702.2	703.7	703.2	703.7	702.2
5°	699.7	701.2	701.2	701.2	700.2
7.5°	696.2	697.2	697.7	698.2	695.7
10°	691.2	692.2	691.7	692.7	690.7
12.5°	684.7	684.7	685.2	686.2	684.2
15°	675.2	675.7	676.2	677.2	674.7
17.5°	664.3	664.8	665.3	665.8	663.8
20°	651.8	651.8	652.8	653.3	650.8
22.5°	636.3	636.3	637.3	638.8	635.8
25°	619.8	619.8	620.3	620.8	618.3
27.5°	600.3	600.3	600.8	602.3	599.3
30°	579.3	578.8	579.3	579.8	577.9
32.5°	555.9	555.4	554.9	555.4	552.9
35°	527.9	527.4	526.4	525.9	523.9
37.5°	495.4	494.4	492.4	492.4	490.4
40°	457.5	455.0	452.5	451.5	451.0
42.5°	413.5	411.5	408.0	407.5	407.5
45°	369.1	368.1	363.1	362.6	364.6
47.5°	329.1	326.6	322.1	321.1	324.1
50°	289.7	290.2	286.2	284.7	287.7
52.5°	258.7	257.7	254.2	253.2	255.7
55°	229.7	228.7	226.2	224.7	226.7
57.5°	203.3	202.8	200.3	199.8	200.8
60°	179.3	178.8	176.8	176.3	176.8
62.5°	156.8	156.8	154.8	153.8	155.3
65°	135.8	136.8	134.8	133.8	135.3
67.5°	116.9	117.9	115.9	114.9	116.9
70°	98.9	99.9	97.9	96.9	98.9
72.5°	83.4	83.9	82.4	81.9	84.4
75°	69.4	69.4	68.4	68.4	69.4
77.5°	56.4	55.9	55.4	55.4	54.4
80°	43.5	43.0	43.0	43.0	41.5
82.5°	31.0	30.0	30.5	31.0	28.5
85°	18.5	18.5	18.5	19.0	16.5
87.5°	7.5	7.5	7.0	7.5	6.5
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)