

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: P1046682

Luminaire Tested: 22PTR-20-L835-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046682
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-20-L835-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

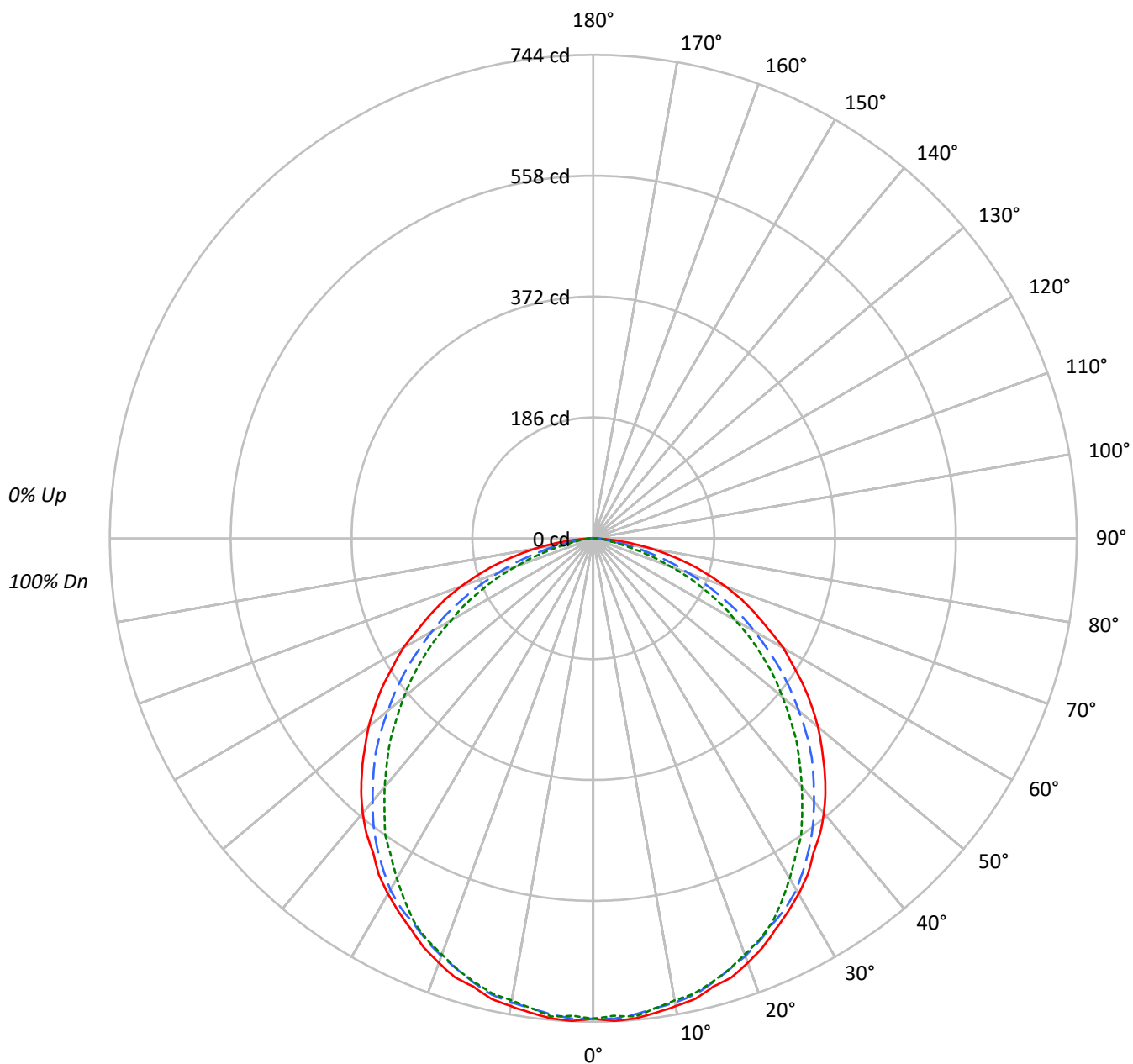
Lumens per Lamp: N/A
Luminaire Lumens: 1968.9 lumens
Efficiency: N/A
Efficacy: 131.3 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72		
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	56	68	61	56	66	60	55	64	58	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	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31		
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	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°	70.1	3.6
10°-20°	200.5	10.2
20°-30°	302.9	15.4
30°-40°	360.1	18.3
40°-50°	365.2	18.5
50°-60°	317.1	16.1
60°-70°	225.1	11.4
70°-80°	107.6	5.5
80°-90°	20.4	1.0
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°	573.4	29.1
0°-40°	933.5	47.4
0°-60°	1615.8	82.1
0°-90°	1968.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1968.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	739	739	739	739	739	
5°	742	739	736	737	739	70
15°	714	716	708	708	707	202
25°	664	663	654	657	652	307
35°	591	590	580	560	558	371
45°	503	499	475	450	442	388
55°	395	383	351	330	319	353
65°	276	255	222	198	191	273
75°	154	126	93	74	66	161
85°	30	16	14	13	13	38
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	739.2	739.2	739.2	739.2	739.2
2.5°	743.6	740.9	740.1	743.1	735.6
5°	741.8	739.2	735.6	737.4	738.7
7.5°	736.5	734.3	729.5	733.4	729.5
10°	731.2	729.0	725.5	726.8	722.4
12.5°	726.0	720.7	719.8	720.7	717.6
15°	714.1	715.8	708.4	707.5	707.0
17.5°	708.4	704.0	696.0	696.5	695.6
20°	695.1	689.9	684.1	683.3	681.5
22.5°	681.5	675.3	670.1	672.7	668.7
25°	663.9	663.0	654.2	656.8	652.0
27.5°	648.5	645.4	641.4	635.7	628.7
30°	631.8	628.7	624.7	609.7	604.5
32.5°	614.1	610.6	602.7	585.1	579.4
35°	590.8	589.9	580.2	560.4	557.8
37.5°	573.2	563.5	555.6	535.3	527.9
40°	552.1	546.8	528.3	508.9	499.2
42.5°	528.7	522.6	501.4	480.7	470.2
45°	503.2	498.8	475.0	449.9	442.4
47.5°	476.8	472.8	444.6	420.4	410.7
50°	451.3	446.4	412.5	389.2	380.4
52.5°	423.5	415.6	382.1	359.2	350.9
55°	394.9	383.0	350.9	330.2	318.7
57.5°	364.5	353.5	317.9	296.3	287.0
60°	338.1	322.7	286.2	264.1	252.3
62.5°	304.2	291.0	256.2	230.2	224.5
65°	276.0	255.3	221.9	198.1	190.6
67.5°	247.4	223.2	189.3	165.1	161.1
70°	216.2	191.1	156.3	132.5	125.9
72.5°	184.5	159.8	125.9	100.8	96.9
75°	153.6	125.5	93.3	74.0	65.6
77.5°	120.2	94.7	65.6	45.3	40.1
80°	89.4	63.8	37.9	26.9	26.4
82.5°	58.6	37.0	20.3	20.7	19.8
85°	29.9	15.8	13.6	13.2	12.8
87.5°	5.7	6.2	6.6	6.6	6.6
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)