

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: P1046976

Luminaire Tested: 22PTR-20-PW1-L835-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046976
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-20-PW1-L835-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

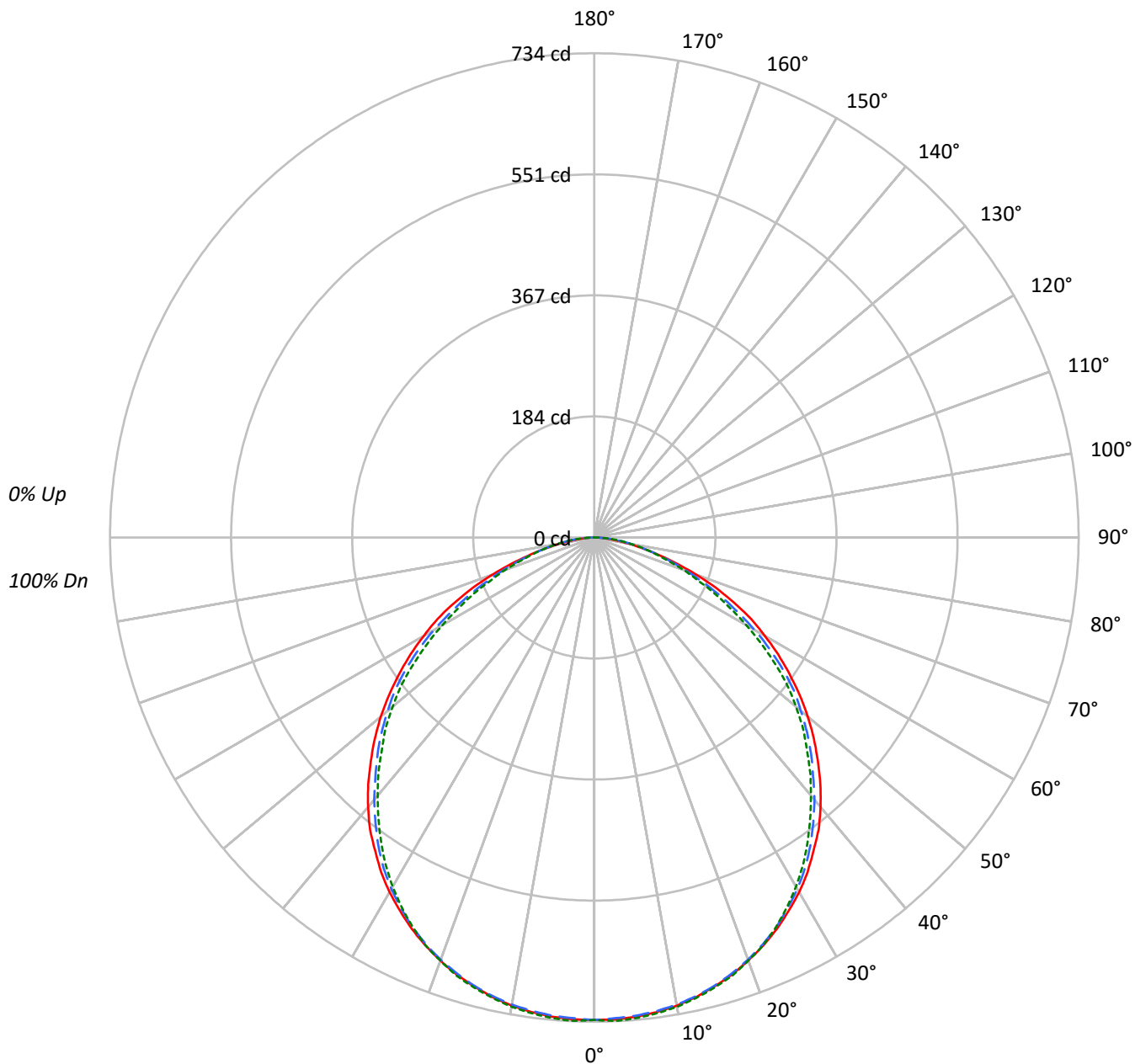
Lumens per Lamp: N/A
Luminaire Lumens: 1941.0 lumens
Efficiency: N/A
Efficacy: 129.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 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	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°	69.4	3.6
10°-20°	198.9	10.3
20°-30°	300.7	15.5
30°-40°	357.0	18.4
40°-50°	359.7	18.5
50°-60°	310.9	16.0
60°-70°	212.5	10.9
70°-80°	104.8	5.4
80°-90°	27.1	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°	569.0	29.3
0°-40°	926.0	47.7
0°-60°	1596.6	82.3
0°-90°	1941.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1941.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	731	731	731	731	731	
5°	729	730	728	731	731	69
15°	705	705	704	706	706	199
25°	655	654	652	653	652	302
35°	579	578	571	566	563	363
45°	479	474	465	459	455	370
55°	361	360	349	338	335	323
65°	233	225	212	203	201	230
75°	99	98	97	97	94	108
85°	19	22	24	25	24	23
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	731.4	731.4	731.4	731.4	731.4
2.5°	731.2	731.4	729.5	732.8	733.6
5°	729.2	729.5	727.6	730.6	731.4
7.5°	725.8	726.3	724.1	727.1	727.6
10°	720.6	720.9	719.0	721.9	722.5
12.5°	713.6	713.8	712.2	714.8	714.8
15°	704.6	705.4	703.5	706.0	706.2
17.5°	694.6	694.9	693.0	695.6	696.2
20°	682.6	682.6	681.1	683.2	682.6
22.5°	669.3	669.3	667.5	668.6	669.1
25°	654.8	654.2	652.0	652.6	651.5
27.5°	637.9	637.9	634.1	634.1	632.2
30°	620.9	619.5	615.5	613.0	611.1
32.5°	601.3	599.4	594.3	590.0	588.6
35°	579.4	577.5	570.7	565.6	563.4
37.5°	558.3	553.9	545.0	539.9	537.4
40°	533.5	528.1	519.0	511.9	510.8
42.5°	507.1	502.7	490.8	485.6	484.3
45°	478.9	473.7	464.7	459.3	455.3
47.5°	451.2	447.4	437.1	430.6	429.3
50°	422.2	418.9	408.4	401.4	398.9
52.5°	392.1	390.0	381.0	372.0	369.1
55°	361.0	359.9	348.8	338.5	334.9
57.5°	330.4	329.0	315.1	303.2	300.0
60°	298.4	294.3	280.8	269.6	266.1
62.5°	268.1	259.4	244.7	236.0	232.0
65°	233.3	224.9	211.9	202.7	201.4
67.5°	199.2	189.2	179.1	173.4	169.1
70°	163.7	156.9	149.3	144.5	143.7
72.5°	130.6	125.8	121.9	119.0	116.5
75°	98.9	98.1	96.7	96.7	94.0
77.5°	72.7	74.5	75.6	75.3	75.9
80°	50.4	54.2	56.3	56.6	56.3
82.5°	32.0	36.3	39.9	40.4	41.0
85°	18.7	22.0	24.1	24.6	24.1
87.5°	8.4	10.5	11.1	11.6	11.1
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°



(END OF REPORT)