

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: P1046934

Luminaire Tested: 22PTR-20-PR1-L835-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046934
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-20-PR1-L835-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

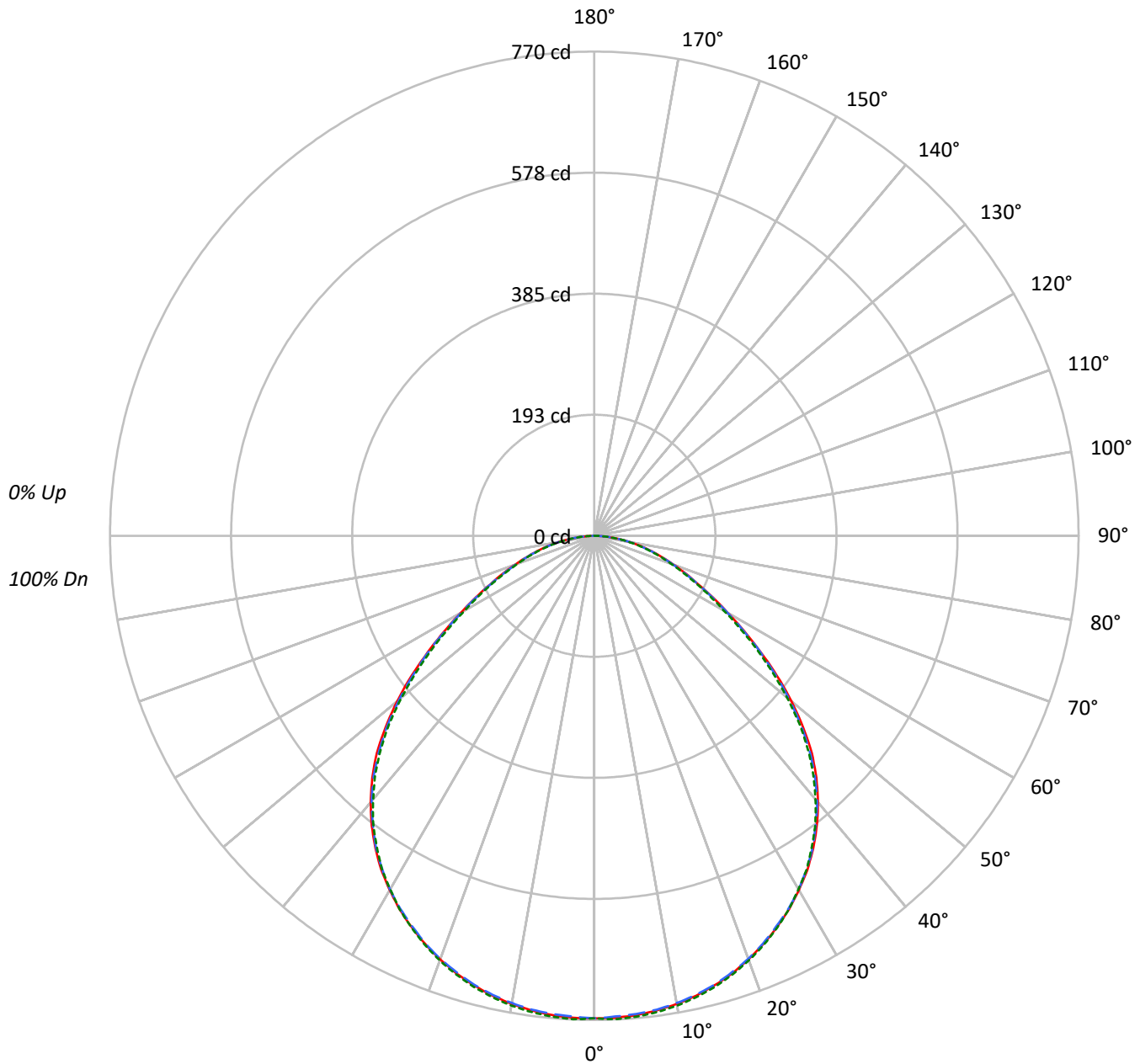
Lumens per Lamp: N/A
Luminaire Lumens: 1941.0 lumens
Efficiency: N/A
Efficacy: 129.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 15
Input Voltage (V): 120
Input Current (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	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	34	29	39	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°	72.8	3.8
10°-20°	209.0	10.8
20°-30°	316.6	16.3
30°-40°	377.9	19.5
40°-50°	371.6	19.1
50°-60°	287.2	14.8
60°-70°	181.1	9.3
70°-80°	98.0	5.0
80°-90°	26.8	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°	598.3	30.8
0°-40°	976.2	50.3
0°-60°	1635.1	84.2
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°	768	768	768	768	768	
5°	765	766	764	767	768	73
15°	740	740	739	741	742	209
25°	687	687	685	687	688	317
35°	607	607	606	605	603	379
45°	489	487	484	480	480	375
55°	323	326	322	317	316	290
65°	182	183	181	178	178	184
75°	94	93	92	92	90	100
85°	23	23	23	23	22	27
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	767.5	767.5	767.5	767.5	767.5
2.5°	767.2	767.5	765.3	768.9	769.7
5°	765.3	765.6	763.6	766.9	767.8
7.5°	761.4	762.0	760.1	763.4	764.2
10°	755.9	756.5	754.6	757.9	758.7
12.5°	749.1	749.3	747.7	750.7	751.5
15°	740.0	740.2	738.9	741.3	742.4
17.5°	729.5	729.8	727.9	730.9	731.4
20°	716.9	717.1	716.0	718.5	718.8
22.5°	702.8	703.4	701.7	703.9	704.2
25°	686.9	687.4	685.2	687.4	687.7
27.5°	670.1	670.3	668.4	670.1	669.8
30°	650.6	652.3	649.8	649.2	649.0
32.5°	630.3	630.5	628.1	627.5	628.6
35°	606.9	607.1	605.5	604.7	603.0
37.5°	581.3	581.3	578.2	577.7	577.4
40°	553.2	552.9	551.0	549.1	547.1
42.5°	522.6	523.2	519.3	516.0	515.5
45°	489.3	487.4	483.8	480.0	480.3
47.5°	450.1	450.6	445.7	442.6	441.8
50°	409.3	409.3	404.7	401.4	399.7
52.5°	366.7	367.0	362.6	358.2	357.3
55°	323.2	325.9	321.8	316.6	315.5
57.5°	282.5	284.7	280.8	275.4	275.1
60°	244.9	245.1	244.0	238.8	237.4
62.5°	212.7	211.3	210.7	208.0	206.3
65°	182.4	182.7	181.3	178.2	177.7
67.5°	157.9	157.6	155.1	153.2	152.1
70°	133.9	133.1	132.0	130.4	129.3
72.5°	112.5	112.5	111.6	111.1	109.2
75°	93.8	92.8	91.7	92.2	90.0
77.5°	76.0	74.9	74.0	72.9	72.4
80°	57.5	56.4	56.7	55.0	54.8
82.5°	39.9	39.9	39.4	38.0	38.3
85°	22.8	23.1	22.6	22.8	21.7
87.5°	8.3	8.5	9.1	8.5	8.5
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)