

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: P1046833

Luminaire Tested: 22PTR-20-PL1-L940-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046833
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-20-PL1-L940-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

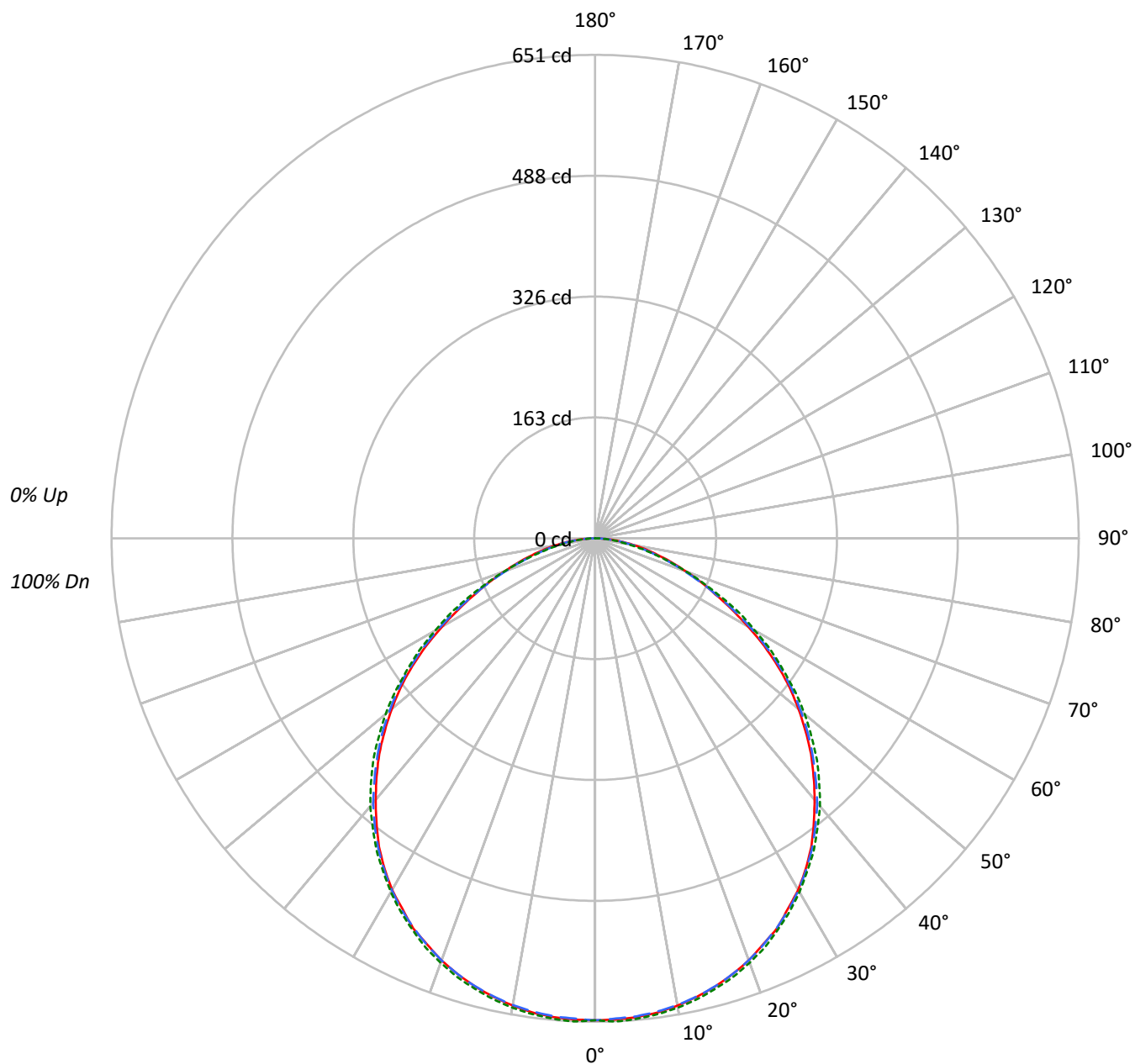
Lumens per Lamp: N/A
Luminaire Lumens: 1711.1 lumens
Efficiency: N/A
Efficacy: 114.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 15
Input Voltage (V): 120
Input Current (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	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61		
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52		
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46		
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40		
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29		
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	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°	61.6	3.6
10°-20°	176.6	10.3
20°-30°	267.1	15.6
30°-40°	318.4	18.6
40°-50°	320.2	18.7
50°-60°	271.7	15.9
60°-70°	180.9	10.6
70°-80°	90.3	5.3
80°-90°	24.2	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°	505.3	29.5
0°-40°	823.7	48.1
0°-60°	1415.6	82.7
0°-90°	1711.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1711.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	649	649	649	649	649	
5°	647	647	646	649	650	62
15°	625	626	625	627	628	176
25°	579	579	579	581	582	266
35°	507	508	509	513	513	316
45°	411	412	414	420	422	316
55°	300	302	305	308	309	268
65°	178	180	180	183	187	179
75°	88	87	83	81	81	95
85°	23	22	21	20	18	26
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	649.1	649.1	649.1	649.1	649.1
2.5°	648.6	649.1	647.4	650.5	651.3
5°	647.2	647.4	646.0	648.9	649.6
7.5°	644.1	644.3	642.8	646.0	646.4
10°	639.0	639.5	638.3	641.2	641.9
12.5°	632.5	633.2	632.0	635.1	635.7
15°	624.8	625.5	624.6	627.2	627.7
17.5°	615.4	615.9	615.4	617.8	619.2
20°	604.8	604.8	604.8	607.0	608.2
22.5°	591.6	592.9	592.3	595.2	596.4
25°	579.4	579.4	578.6	581.3	581.8
27.5°	562.3	564.2	564.0	566.4	566.9
30°	546.6	547.1	547.4	549.1	550.0
32.5°	527.7	528.1	528.9	531.2	531.5
35°	507.2	507.7	509.1	512.7	513.2
37.5°	483.4	486.1	487.3	491.1	491.6
40°	459.6	461.2	464.9	468.9	470.9
42.5°	435.3	437.2	439.4	444.9	446.6
45°	411.0	411.7	414.4	419.9	422.4
47.5°	384.1	386.3	388.6	393.4	394.9
50°	357.2	359.5	361.0	365.3	368.2
52.5°	330.0	332.2	333.8	336.5	339.3
55°	300.2	302.3	305.0	307.9	308.6
57.5°	269.9	272.2	274.0	277.0	280.2
60°	237.4	240.1	242.4	245.3	248.4
62.5°	207.1	208.2	210.7	215.5	220.0
65°	178.2	179.7	180.1	182.8	187.4
67.5°	154.2	154.2	152.0	152.9	158.0
70°	128.9	127.9	126.3	125.3	129.4
72.5°	108.5	107.2	103.6	102.0	104.2
75°	88.0	86.8	82.9	81.0	81.3
77.5°	70.7	68.8	65.6	62.3	61.6
80°	53.7	52.9	49.8	46.7	44.2
82.5°	38.0	36.4	34.6	32.7	30.8
85°	22.8	22.4	20.7	19.5	17.8
87.5°	9.4	9.4	8.9	8.4	8.0
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)