

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: P1046917

Luminaire Tested: 22PTR-20-PP3-L940-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046917
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-20-PP3-L940-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

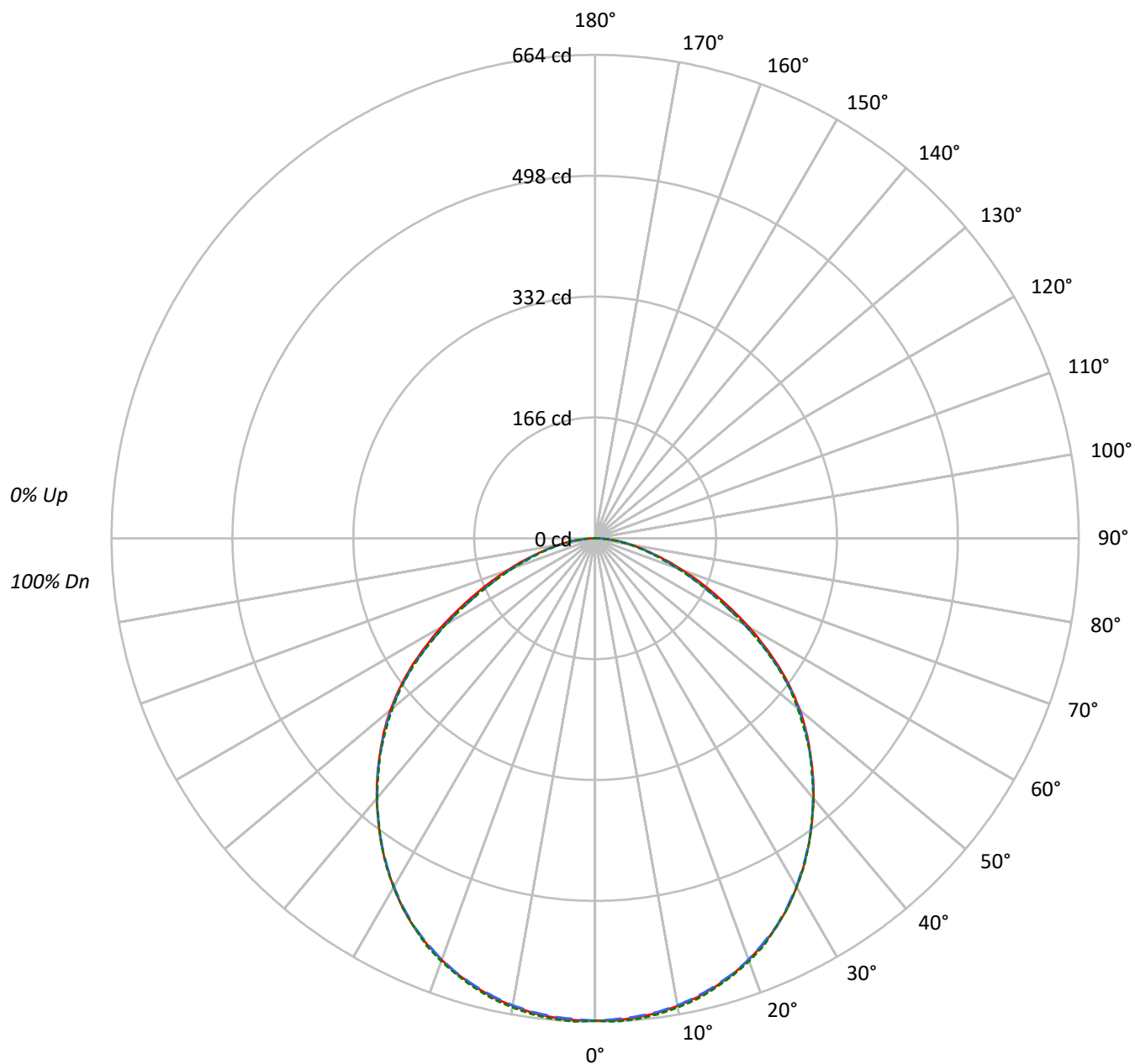
Lumens per Lamp: N/A
Luminaire Lumens: 1712.0 lumens
Efficiency: N/A
Efficacy: 114.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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	96	99	96	93	95	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72		
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61		
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46		
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36		
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	34	28	53	41	33	28	40	33	28	39	33	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°	62.8	3.7
10°-20°	180.0	10.5
20°-30°	271.0	15.8
30°-40°	319.9	18.7
40°-50°	321.7	18.8
50°-60°	271.6	15.9
60°-70°	174.4	10.2
70°-80°	86.8	5.1
80°-90°	23.8	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°	513.9	30.0
0°-40°	833.8	48.7
0°-60°	1427.1	83.4
0°-90°	1712.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1712.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	663	663	663	663	663	
5°	661	661	659	662	663	63
15°	638	638	636	639	639	180
25°	589	589	588	589	589	271
35°	512	512	511	512	512	320
45°	418	419	416	417	417	322
55°	308	308	305	304	304	274
65°	181	178	172	170	172	181
75°	83	82	80	79	78	90
85°	20	21	21	20	20	24
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	662.6	662.6	662.6	662.6	662.6
2.5°	662.4	662.6	660.9	664.0	664.5
5°	660.7	660.9	659.2	662.4	662.8
7.5°	657.3	657.6	656.1	659.0	659.5
10°	652.2	653.0	651.3	654.0	654.4
12.5°	646.0	646.3	644.5	647.7	648.2
15°	637.6	637.8	636.4	639.3	639.3
17.5°	627.9	628.2	627.2	629.7	629.4
20°	616.2	616.9	615.7	617.4	618.3
22.5°	603.5	603.7	602.2	604.4	605.4
25°	589.0	589.2	588.1	589.2	588.8
27.5°	572.2	572.6	570.9	572.2	572.4
30°	553.4	554.6	552.2	553.2	553.4
32.5°	533.2	533.9	532.2	532.5	533.7
35°	512.0	512.3	511.3	511.8	511.8
37.5°	489.2	490.2	488.7	489.4	488.4
40°	466.6	465.6	465.1	465.6	466.3
42.5°	442.7	443.0	442.3	441.8	440.6
45°	417.7	419.2	416.5	417.0	417.0
47.5°	393.3	393.4	392.0	390.6	389.6
50°	367.1	367.1	365.3	364.2	362.7
52.5°	338.4	338.0	336.0	334.8	335.5
55°	308.3	308.1	304.7	303.5	303.8
57.5°	275.4	275.9	270.8	269.6	269.6
60°	243.9	241.5	235.7	234.0	236.1
62.5°	210.9	208.0	201.8	201.8	203.5
65°	181.1	178.5	172.0	170.2	171.7
67.5°	153.2	150.8	144.8	143.9	144.3
70°	126.7	124.6	121.0	118.8	119.6
72.5°	103.9	102.0	99.5	97.9	96.9
75°	82.9	82.5	79.9	79.1	78.1
77.5°	65.6	65.5	63.3	62.3	61.4
80°	49.3	49.0	48.6	47.1	46.4
82.5°	35.1	35.1	34.9	33.6	32.9
85°	20.5	21.1	21.1	19.9	19.9
87.5°	8.2	8.7	8.2	8.2	8.0
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)