

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: P1046960

Luminaire Tested: 22PTR-25-PR1-L940-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046960
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-25-PR1-L940-UNV-STD-W
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

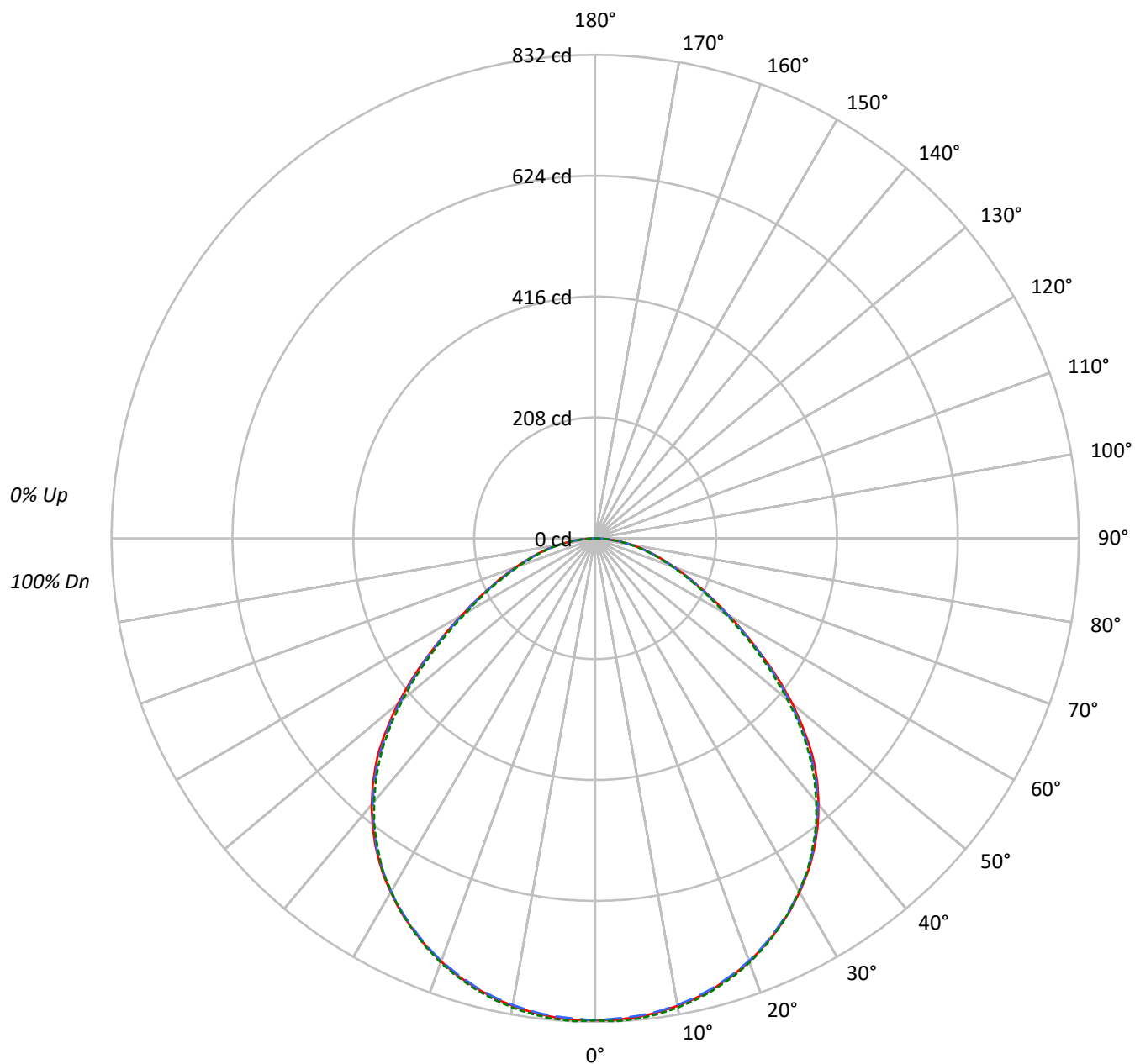
Lumens per Lamp: N/A
Luminaire Lumens: 2098.1 lumens
Efficiency: N/A
Efficacy: 110.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 19
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	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°	78.7	3.8
10°-20°	225.9	10.8
20°-30°	342.2	16.3
30°-40°	408.5	19.5
40°-50°	401.7	19.1
50°-60°	310.5	14.8
60°-70°	195.8	9.3
70°-80°	105.9	5.0
80°-90°	28.9	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°	646.8	30.8
0°-40°	1055.3	50.3
0°-60°	1767.5	84.2
0°-90°	2098.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2098.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	830	830	830	830	830	
5°	827	828	825	829	830	79
15°	800	800	799	801	802	226
25°	742	743	741	743	743	342
35°	656	656	654	654	652	410
45°	529	527	523	519	519	405
55°	349	352	348	342	341	314
65°	197	198	196	193	192	198
75°	101	100	99	100	97	108
85°	25	25	24	25	23	29
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	829.6	829.6	829.6	829.6	829.6
2.5°	829.3	829.6	827.2	831.1	832.0
5°	827.2	827.6	825.4	829.0	829.9
7.5°	823.0	823.7	821.6	825.2	826.1
10°	817.1	817.7	815.7	819.3	820.1
12.5°	809.7	810.0	808.2	811.5	812.3
15°	799.9	800.1	798.7	801.3	802.5
17.5°	788.6	788.9	786.8	790.1	790.6
20°	775.0	775.2	774.0	776.7	777.0
22.5°	759.7	760.4	758.5	760.9	761.2
25°	742.5	743.1	740.7	743.1	743.4
27.5°	724.4	724.6	722.6	724.4	724.1
30°	703.2	705.1	702.4	701.7	701.5
32.5°	681.3	681.5	678.9	678.3	679.5
35°	656.0	656.2	654.5	653.6	651.8
37.5°	628.3	628.3	625.0	624.5	624.1
40°	598.0	597.7	595.6	593.6	591.4
42.5°	564.9	565.6	561.4	557.8	557.3
45°	529.0	526.9	523.0	518.9	519.2
47.5°	486.5	487.0	481.7	478.4	477.5
50°	442.4	442.4	437.4	433.9	432.0
52.5°	396.4	396.7	392.0	387.2	386.2
55°	349.4	352.3	347.9	342.3	341.1
57.5°	305.4	307.8	303.6	297.6	297.3
60°	264.7	264.9	263.7	258.1	256.6
62.5°	229.9	228.4	227.7	224.8	223.0
65°	197.2	197.5	196.0	192.6	192.1
67.5°	170.7	170.4	167.7	165.6	164.4
70°	144.8	143.9	142.7	141.0	139.8
72.5°	121.7	121.7	120.7	120.1	118.1
75°	101.4	100.3	99.1	99.6	97.2
77.5°	82.1	80.9	79.9	78.8	78.2
80°	62.1	60.9	61.3	59.4	59.2
82.5°	43.1	43.1	42.6	41.1	41.4
85°	24.6	25.0	24.4	24.6	23.4
87.5°	9.0	9.2	9.8	9.2	9.2
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)