

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: P1046792

Luminaire Tested: 22PTR-25-PC3-L940-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046792
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-25-PC3-L940-UNV-STD-W
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

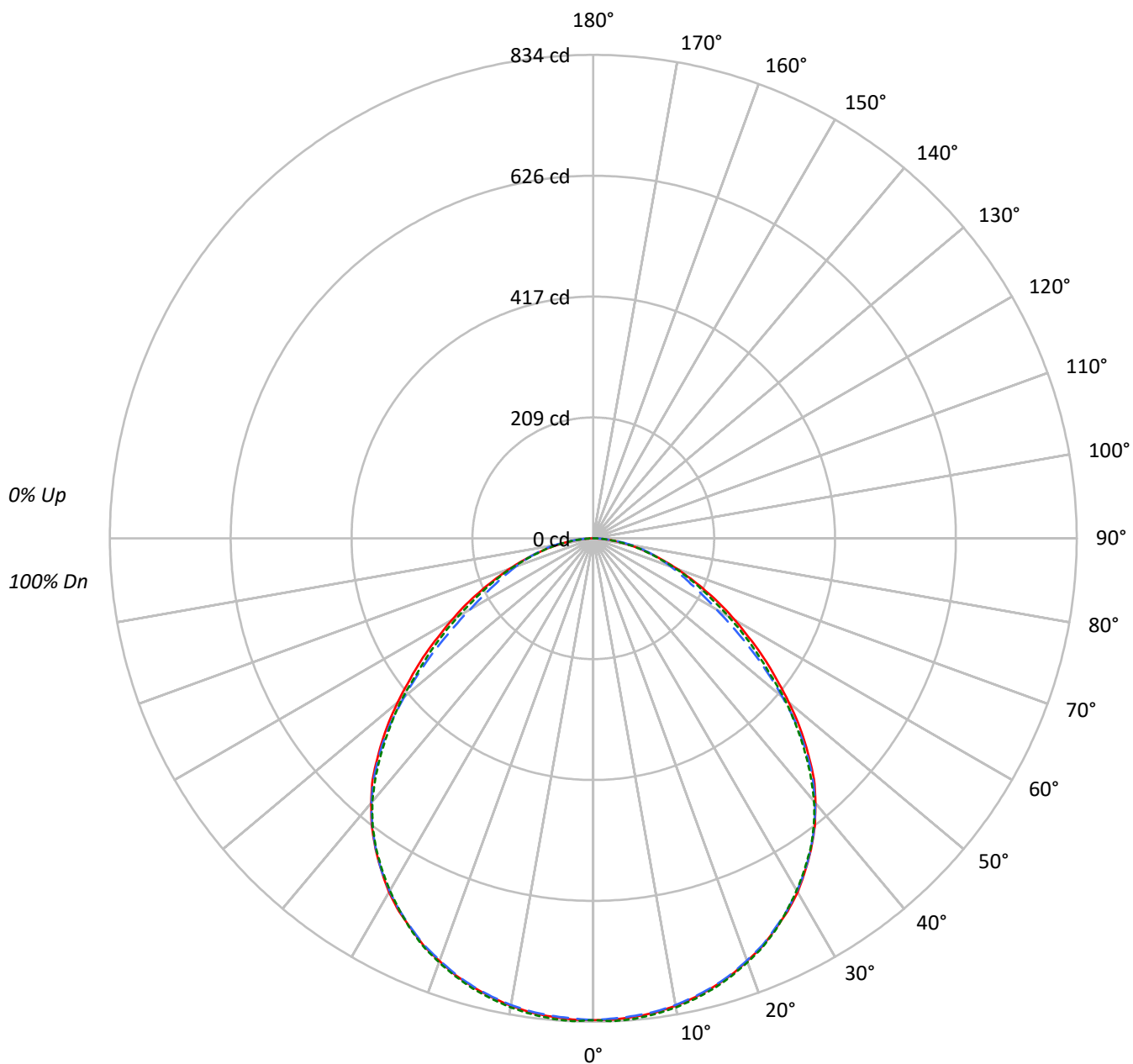
Lumens per Lamp: N/A
Luminaire Lumens: 2096.2 lumens
Efficiency: N/A
Efficacy: 110.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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

TEST NUMBER: P1046792

CATALOG NUMBER: 22PTR-25-PC3-L940-UNV-STD-W

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	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72		
3	92	82	74	68	90	80	73	68	77	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	46	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	40	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: -

TEST NUMBER: P1046792

CATALOG NUMBER: 22PTR-25-PC3-L940-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.9	3.8
10°-20°	226.4	10.8
20°-30°	342.7	16.3
30°-40°	408.6	19.5
40°-50°	399.2	19.0
50°-60°	305.3	14.6
60°-70°	196.0	9.4
70°-80°	109.0	5.2
80°-90°	30.1	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°	647.9	30.9
0°-40°	1056.5	50.4
0°-60°	1761.0	84.0
0°-90°	2096.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2096.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	831	831	831	831	831	
5°	828	829	827	831	832	79
15°	801	802	800	803	804	226
25°	744	744	742	745	745	343
35°	655	655	654	654	653	409
45°	523	525	520	518	514	403
55°	359	346	330	334	344	321
65°	213	196	185	192	204	212
75°	102	103	104	103	100	109
85°	22	26	26	26	22	27
90°	0	0	0	0	0	

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CATALOG NUMBER: 22PTR-25-PC3-L940-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	831.4	831.4	831.4	831.4	831.4
2.5°	830.9	831.2	829.1	832.6	833.8
5°	828.5	829.1	827.0	830.9	831.8
7.5°	825.0	825.5	823.4	827.3	827.7
10°	819.0	819.3	817.5	821.4	821.9
12.5°	811.0	811.9	809.8	813.4	813.6
15°	801.4	802.1	800.5	803.2	804.1
17.5°	790.2	790.5	789.0	791.9	792.2
20°	776.1	776.1	774.9	778.3	778.3
22.5°	761.9	761.0	760.7	761.9	763.7
25°	743.5	744.4	742.3	744.7	745.2
27.5°	725.7	725.7	723.8	725.0	723.5
30°	705.1	703.9	702.8	703.0	701.6
32.5°	680.4	680.4	679.8	679.8	678.0
35°	654.9	655.4	654.2	653.9	653.1
37.5°	627.4	628.4	626.3	625.7	625.1
40°	596.2	596.2	595.4	594.2	592.7
42.5°	563.8	563.8	560.0	557.0	554.9
45°	523.4	524.6	519.5	518.3	514.2
47.5°	483.2	482.3	475.5	474.7	472.3
50°	440.4	435.3	425.6	428.2	430.4
52.5°	397.6	391.4	377.1	380.0	383.6
55°	358.6	346.2	329.6	333.7	344.4
57.5°	317.9	301.2	284.6	292.4	305.7
60°	281.9	263.2	245.1	253.4	268.8
62.5°	247.4	227.6	213.0	221.0	234.0
65°	213.0	196.5	185.3	191.5	204.3
67.5°	181.4	170.4	162.7	165.6	176.0
70°	152.9	146.0	141.9	142.7	148.7
72.5°	125.8	124.0	122.5	122.5	123.1
75°	102.3	103.2	104.1	102.6	100.3
77.5°	80.6	83.5	85.7	82.7	79.7
80°	59.2	64.0	66.7	63.3	58.9
82.5°	40.4	45.8	46.7	44.6	39.5
85°	22.3	26.1	26.5	25.6	22.3
87.5°	8.3	9.8	10.7	9.8	8.6
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)