

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: P1047002

Luminaire Tested: 22PTR-25-PW1-L940-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1047002
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-25-PW1-L940-UNV-STD-W
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

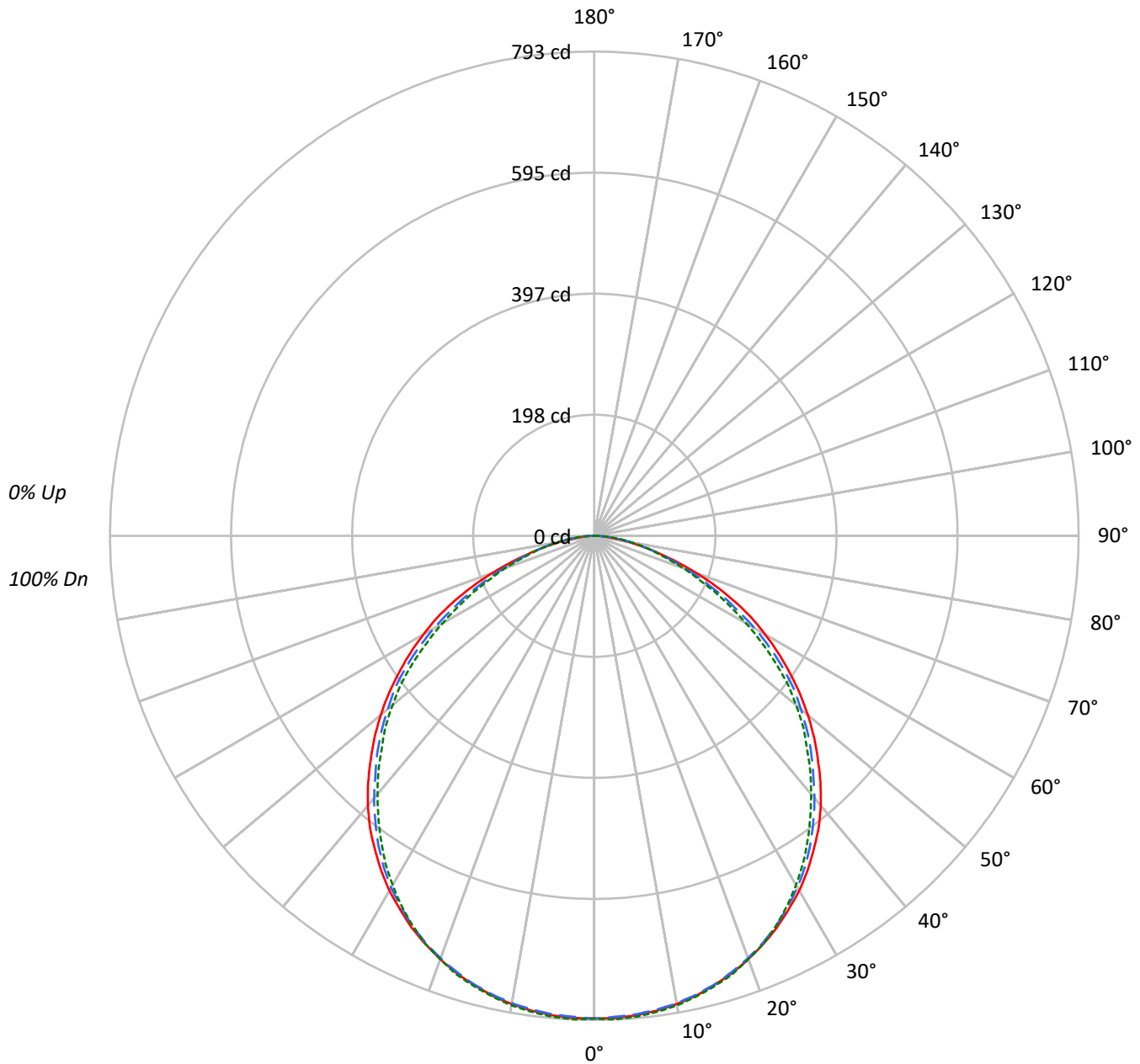
Lumens per Lamp: N/A
Luminaire Lumens: 2098.1 lumens
Efficiency: N/A
Efficacy: 110.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 19
Input Voltage (V): 120
Input Current (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

TEST NUMBER: P1047002

CATALOG NUMBER: 22PTR-25-PW1-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	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52		
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31		
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	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: -

TEST NUMBER: P1047002

CATALOG NUMBER: 22PTR-25-PW1-L940-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.0	3.6
10°-20°	215.1	10.2
20°-30°	325.0	15.5
30°-40°	385.9	18.4
40°-50°	388.8	18.5
50°-60°	336.1	16.0
60°-70°	229.7	10.9
70°-80°	113.3	5.4
80°-90°	29.3	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°	615.0	29.3
0°-40°	1001.0	47.7
0°-60°	1725.8	82.3
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°	791	791	791	791	791	
5°	788	789	787	790	791	75
15°	762	762	760	763	763	215
25°	708	707	705	705	704	326
35°	626	624	617	611	609	392
45°	518	512	502	496	492	400
55°	390	389	377	366	362	349
65°	252	243	229	219	218	249
75°	107	106	104	104	102	117
85°	20	24	26	27	26	25
90°	0	0	0	0	0	

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CATALOG NUMBER: 22PTR-25-PW1-L940-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	790.6	790.6	790.6	790.6	790.6
2.5°	790.4	790.6	788.6	792.1	792.9
5°	788.3	788.6	786.6	789.8	790.6
7.5°	784.5	785.1	782.7	785.9	786.6
10°	778.9	779.2	777.2	780.4	781.0
12.5°	771.3	771.5	769.8	772.7	772.7
15°	761.6	762.5	760.5	763.1	763.4
17.5°	750.8	751.1	749.1	752.0	752.6
20°	737.9	737.9	736.2	738.5	737.9
22.5°	723.5	723.5	721.5	722.7	723.2
25°	707.8	707.1	704.8	705.4	704.3
27.5°	689.6	689.6	685.4	685.4	683.4
30°	671.2	669.7	665.3	662.7	660.6
32.5°	650.0	648.0	642.4	637.7	636.3
35°	626.4	624.2	616.9	611.3	609.0
37.5°	603.5	598.8	589.1	583.6	580.9
40°	576.7	570.9	561.0	553.3	552.2
42.5°	548.1	543.4	530.5	524.9	523.5
45°	517.7	512.0	502.3	496.5	492.1
47.5°	487.8	483.6	472.5	465.5	464.0
50°	456.4	452.8	441.4	433.9	431.2
52.5°	423.9	421.5	411.9	402.2	399.0
55°	390.2	389.1	377.0	365.9	362.0
57.5°	357.1	355.6	340.6	327.8	324.2
60°	322.5	318.2	303.5	291.5	287.6
62.5°	289.8	280.4	264.5	255.2	250.8
65°	252.2	243.1	229.1	219.1	217.7
67.5°	215.3	204.5	193.6	187.5	182.8
70°	176.9	169.6	161.4	156.2	155.3
72.5°	141.2	135.9	131.8	128.6	125.9
75°	106.9	106.0	104.5	104.5	101.7
77.5°	78.6	80.6	81.8	81.4	82.1
80°	54.5	58.5	60.9	61.2	60.9
82.5°	34.6	39.3	43.1	43.6	44.3
85°	20.2	23.7	26.1	26.6	26.1
87.5°	9.0	11.4	12.0	12.6	12.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° - - - 90°-270°



(END OF REPORT)