

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: P1046918

Luminaire Tested: 22PTR-25-PP3-L940-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046918
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-25-PP3-L940-UNV-STD-W
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

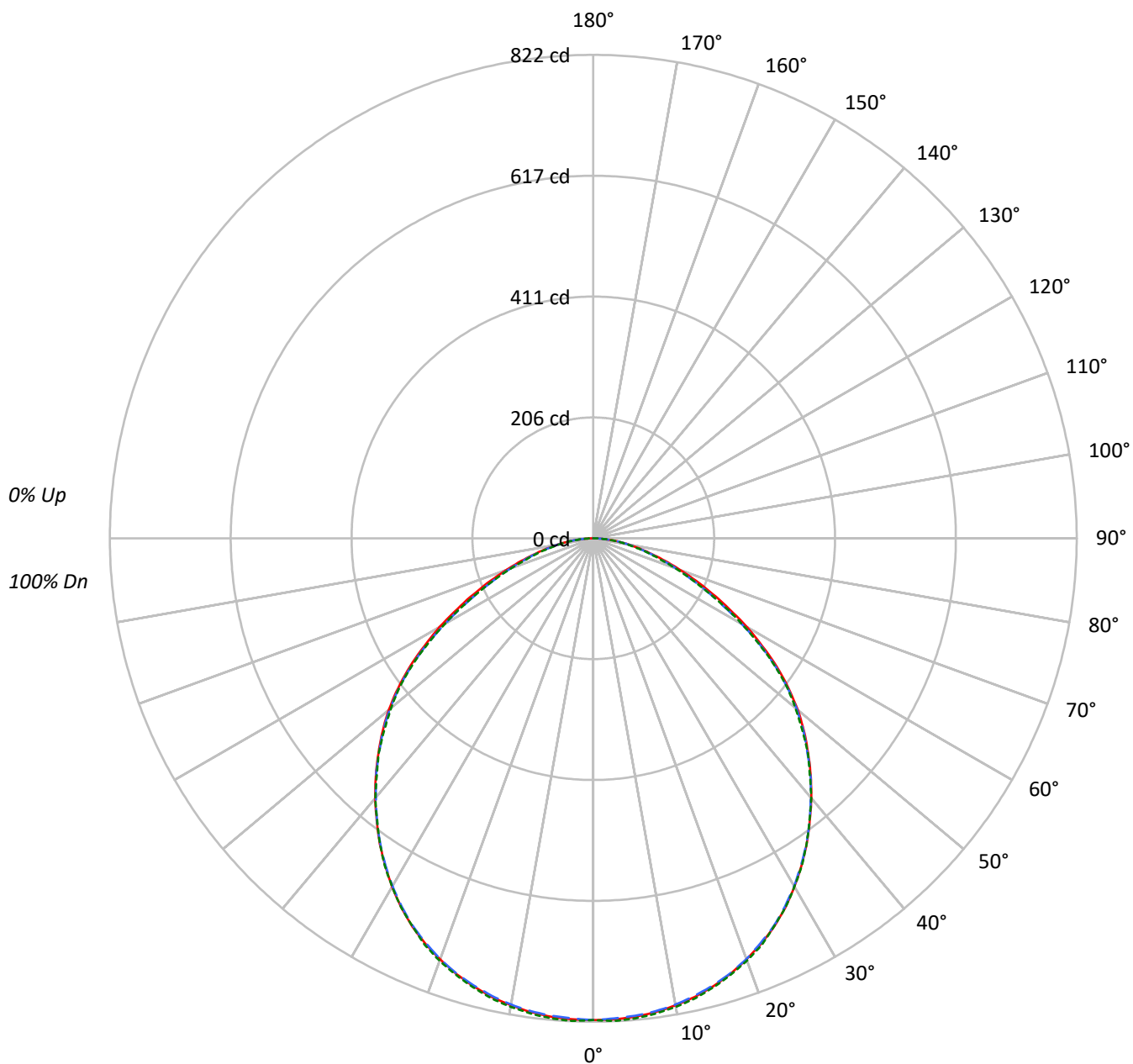
Lumens per Lamp: N/A
Luminaire Lumens: 2116.5 lumens
Efficiency: N/A
Efficacy: 111.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 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	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°	77.7	3.7
10°-20°	222.6	10.5
20°-30°	335.1	15.8
30°-40°	395.5	18.7
40°-50°	397.7	18.8
50°-60°	335.8	15.9
60°-70°	215.6	10.2
70°-80°	107.3	5.1
80°-90°	29.4	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°	635.3	30.0
0°-40°	1030.8	48.7
0°-60°	1764.2	83.4
0°-90°	2116.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2116.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	819	819	819	819	819	
5°	817	817	815	819	819	78
15°	788	788	787	790	790	222
25°	728	728	727	728	728	335
35°	633	633	632	633	633	396
45°	516	518	515	516	516	399
55°	381	381	377	375	376	339
65°	224	221	213	210	212	223
75°	102	102	99	98	97	111
85°	25	26	26	25	25	30
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	819.2	819.2	819.2	819.2	819.2
2.5°	818.8	819.2	817.0	820.9	821.5
5°	816.8	817.0	815.0	818.8	819.4
7.5°	812.6	812.9	811.1	814.6	815.3
10°	806.3	807.3	805.1	808.5	809.0
12.5°	798.6	799.0	796.8	800.7	801.3
15°	788.3	788.5	786.8	790.3	790.3
17.5°	776.3	776.6	775.4	778.4	778.1
20°	761.8	762.7	761.2	763.2	764.4
22.5°	746.0	746.4	744.5	747.2	748.4
25°	728.2	728.4	727.0	728.4	727.9
27.5°	707.3	707.9	705.8	707.3	707.7
30°	684.1	685.6	682.7	683.9	684.1
32.5°	659.2	660.0	658.0	658.3	659.8
35°	633.0	633.3	632.2	632.7	632.7
37.5°	604.8	606.0	604.2	605.0	603.8
40°	576.8	575.6	575.0	575.6	576.5
42.5°	547.3	547.7	546.8	546.2	544.7
45°	516.4	518.3	514.9	515.6	515.6
47.5°	486.2	486.4	484.7	482.8	481.6
50°	453.8	453.8	451.6	450.2	448.4
52.5°	418.3	417.8	415.4	413.9	414.8
55°	381.2	380.8	376.7	375.2	375.6
57.5°	340.4	341.1	334.8	333.3	333.3
60°	301.5	298.5	291.4	289.3	291.9
62.5°	260.7	257.1	249.5	249.5	251.5
65°	223.9	220.6	212.6	210.5	212.3
67.5°	189.4	186.4	179.0	177.8	178.4
70°	156.7	154.1	149.5	146.8	147.8
72.5°	128.5	126.1	123.1	121.0	119.8
75°	102.5	102.0	98.8	97.8	96.6
77.5°	81.1	80.9	78.2	77.0	75.8
80°	60.9	60.6	60.1	58.2	57.4
82.5°	43.4	43.4	43.1	41.6	40.7
85°	25.3	26.1	26.1	24.6	24.6
87.5°	10.2	10.7	10.2	10.2	9.8
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)