

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: P1046745

Luminaire Tested: 22PTR-25-PB1-L935-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046745
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-25-PB1-L935-UNV-STD-W
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

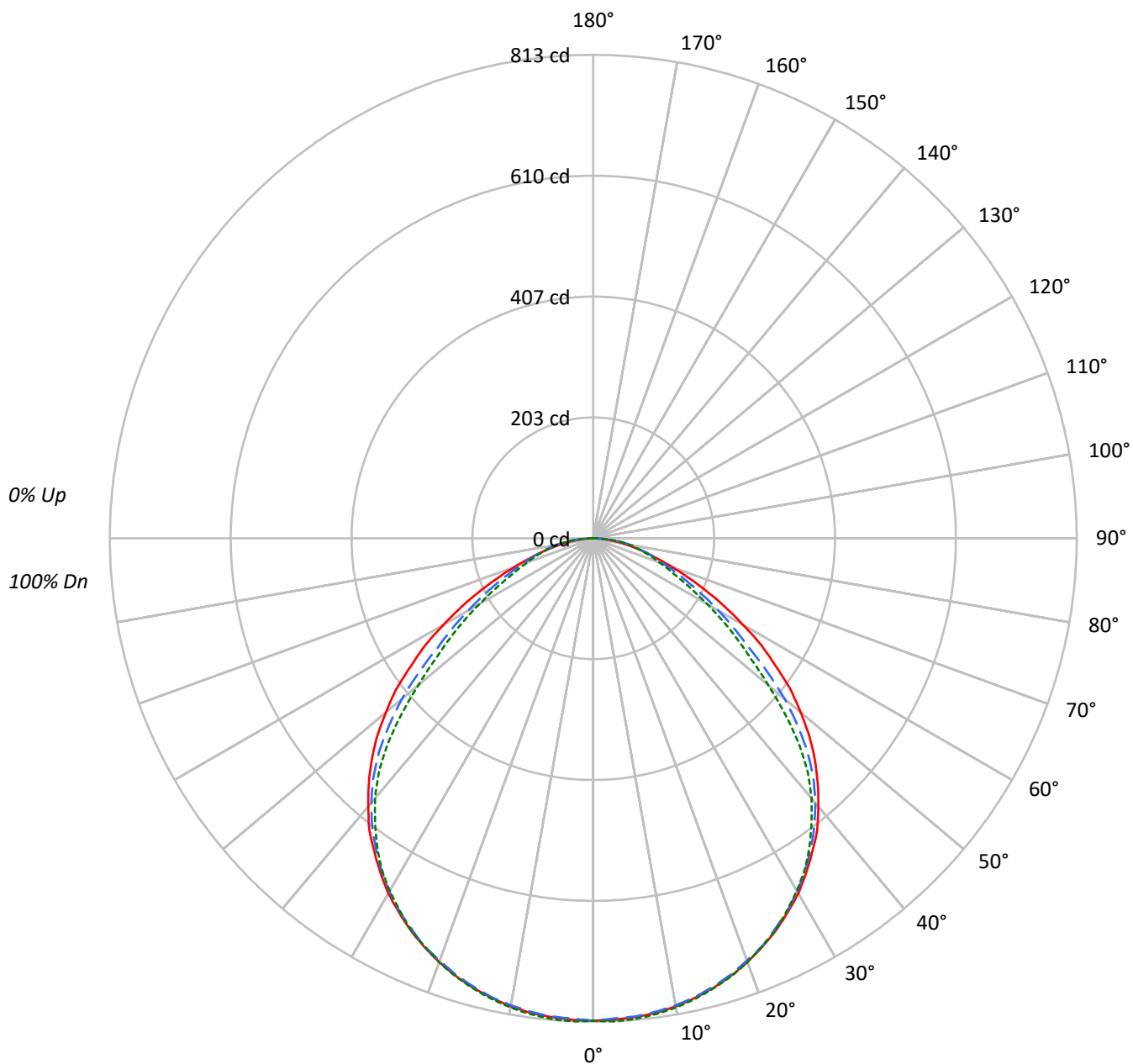
Lumens per Lamp: N/A
Luminaire Lumens: 2023.0 lumens
Efficiency: N/A
Efficacy: 106.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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

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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	93	90	91	89	88	86		
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62		
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54		
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47		
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37		
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33		
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30		
10	55	42	34	29	54	42	34	29	41	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: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.9	3.8
10°-20°	220.7	10.9
20°-30°	334.4	16.5
30°-40°	398.4	19.7
40°-50°	389.6	19.3
50°-60°	294.7	14.6
60°-70°	181.1	8.9
70°-80°	96.5	4.8
80°-90°	30.8	1.5
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°	632.0	31.2
0°-40°	1030.4	50.9
0°-60°	1714.7	84.8
0°-90°	2023.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2023.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	811	811	811	811	811	
5°	808	809	807	810	811	77
15°	782	783	780	783	783	221
25°	728	726	724	726	726	335
35°	643	642	638	635	634	402
45°	527	524	510	493	489	405
55°	374	355	318	300	295	335
65°	211	194	178	164	159	210
75°	90	91	92	89	87	96
85°	20	26	32	30	28	24
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	811.3	811.3	811.3	811.3	811.3
2.5°	810.4	811.3	808.3	812.3	813.3
5°	808.3	809.3	807.3	810.4	811.3
7.5°	805.3	805.3	803.3	806.3	807.3
10°	799.4	799.4	797.4	800.3	801.3
12.5°	791.4	791.4	790.3	792.3	793.4
15°	782.4	783.3	780.4	783.3	783.3
17.5°	771.4	770.4	769.4	771.4	772.4
20°	758.4	758.4	755.5	757.4	758.4
22.5°	743.4	743.4	742.5	743.4	742.5
25°	727.5	726.4	724.4	725.5	726.4
27.5°	708.5	708.5	706.5	706.5	705.5
30°	689.6	688.5	685.6	683.6	684.5
32.5°	666.6	665.6	662.6	660.6	661.6
35°	642.6	641.7	637.7	634.7	633.7
37.5°	618.7	615.7	610.7	606.7	602.7
40°	588.8	585.7	580.8	571.8	570.8
42.5°	558.8	555.9	547.8	536.9	533.9
45°	526.9	523.9	509.9	492.9	488.9
47.5°	492.9	488.0	466.0	445.0	437.1
50°	455.1	446.1	420.1	393.2	384.2
52.5°	418.1	402.2	368.2	344.3	335.3
55°	374.2	355.3	318.4	300.4	295.3
57.5°	335.3	309.4	279.4	261.5	257.5
60°	290.4	266.4	242.5	226.5	220.5
62.5°	249.4	228.5	208.6	194.5	187.6
65°	210.6	193.6	177.7	163.6	158.7
67.5°	172.7	163.6	150.7	139.8	136.7
70°	140.7	135.7	126.8	121.7	117.8
72.5°	111.8	113.8	107.8	105.8	102.8
75°	89.8	90.8	91.8	88.8	86.8
77.5°	67.9	72.8	76.8	74.8	72.8
80°	50.9	55.8	62.9	59.9	59.9
82.5°	34.9	41.0	46.9	44.9	43.9
85°	20.0	26.0	32.0	30.0	28.0
87.5°	8.0	13.0	13.9	13.9	13.0
90°	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report







— 0°-180° - - 45°-225° - - - 90°-270°



(END OF REPORT)