

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: P1046972

Luminaire Tested: 22PTR-25-PW1-L830-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046972
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-L830-UNV-STD-W
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

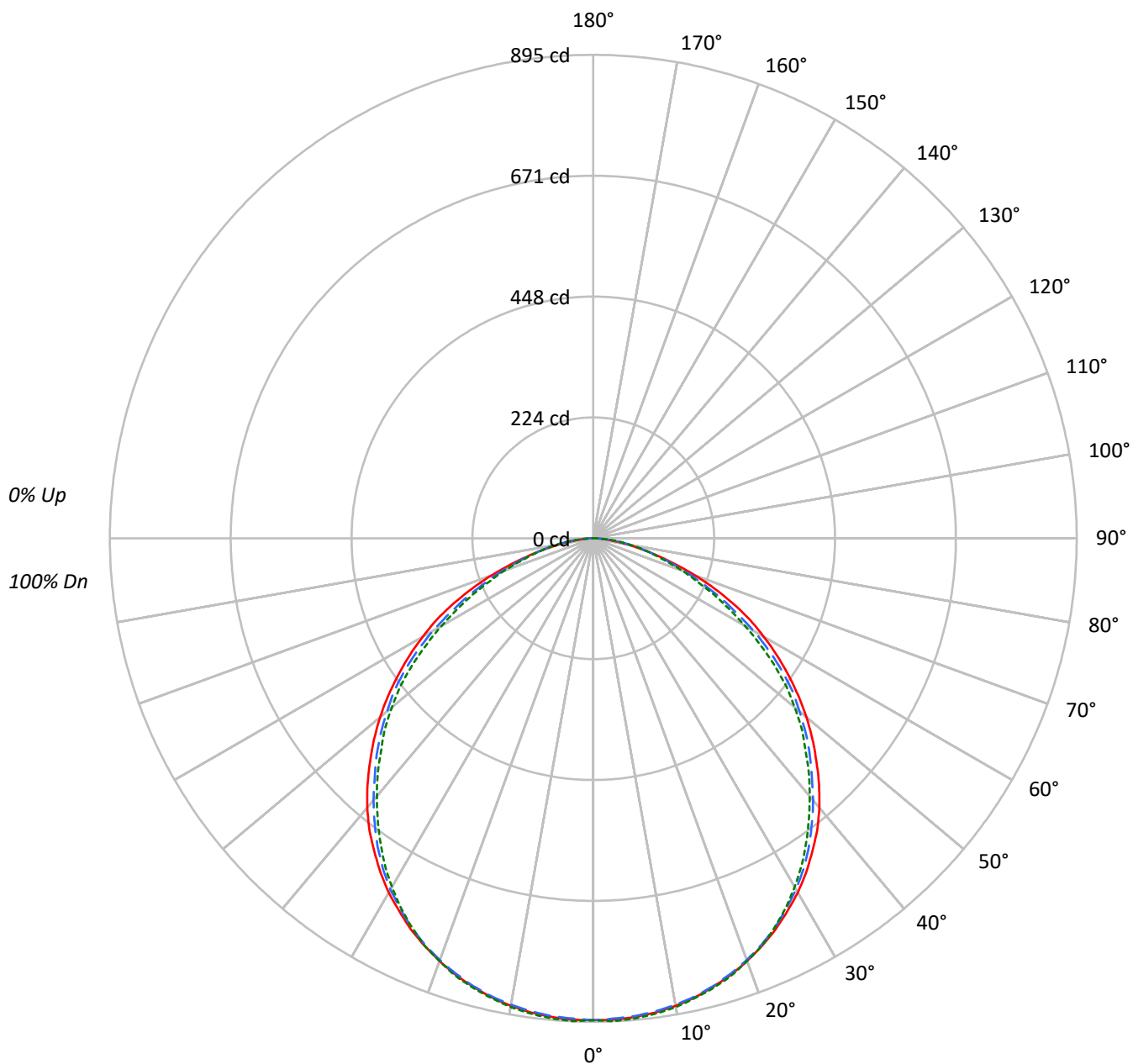
Lumens per Lamp: N/A
Luminaire Lumens: 2367.8 lumens
Efficiency: N/A
Efficacy: 124.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 19
Input Voltage (V): 120
Input Current (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: P1046972

CATALOG NUMBER: 22PTR-25-PW1-L830-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	47	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: P1046972

CATALOG NUMBER: 22PTR-25-PW1-L830-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.6	3.6
10°-20°	242.7	10.2
20°-30°	366.8	15.5
30°-40°	435.5	18.4
40°-50°	438.8	18.5
50°-60°	379.3	16.0
60°-70°	259.2	10.9
70°-80°	127.8	5.4
80°-90°	33.1	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°	694.1	29.3
0°-40°	1129.6	47.7
0°-60°	1947.7	82.3
0°-90°	2367.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2367.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	892	892	892	892	892	
5°	890	890	888	891	892	85
15°	860	860	858	861	862	243
25°	799	798	795	796	795	368
35°	707	704	696	690	687	442
45°	584	578	567	560	555	451
55°	440	439	426	413	409	394
65°	285	274	258	247	246	281
75°	121	120	118	118	115	131
85°	23	27	29	30	29	28
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	892.2	892.2	892.2	892.2	892.2
2.5°	892.0	892.2	889.9	893.9	894.9
5°	889.6	889.9	887.7	891.3	892.2
7.5°	885.4	886.0	883.3	886.9	887.7
10°	879.0	879.4	877.1	880.7	881.4
12.5°	870.5	870.7	868.8	872.0	872.0
15°	859.5	860.5	858.2	861.2	861.5
17.5°	847.3	847.6	845.4	848.6	849.3
20°	832.8	832.8	830.8	833.5	832.8
22.5°	816.5	816.5	814.3	815.6	816.2
25°	798.8	798.0	795.4	796.1	794.8
27.5°	778.2	778.2	773.5	773.5	771.2
30°	757.4	755.7	750.8	747.8	745.5
32.5°	733.5	731.2	725.0	719.7	718.0
35°	706.9	704.5	696.2	689.9	687.3
37.5°	681.0	675.7	664.8	658.6	655.6
40°	650.9	644.3	633.1	624.4	623.1
42.5°	618.6	613.3	598.7	592.4	590.8
45°	584.2	577.8	566.9	560.3	555.4
47.5°	550.4	545.8	533.3	525.3	523.7
50°	515.0	511.0	498.2	489.7	486.7
52.5°	478.4	475.7	464.8	453.9	450.3
55°	440.4	439.1	425.5	412.9	408.6
57.5°	403.0	401.4	384.4	369.9	365.9
60°	364.0	359.1	342.5	328.9	324.6
62.5°	327.0	316.4	298.5	288.0	283.0
65°	284.6	274.4	258.5	247.2	245.7
67.5°	243.0	230.8	218.5	211.6	206.3
70°	199.7	191.4	182.1	176.2	175.3
72.5°	159.3	153.4	148.7	145.1	142.1
75°	120.6	119.7	118.0	118.0	114.7
77.5°	88.7	90.9	92.3	91.9	92.6
80°	61.5	66.1	68.7	69.1	68.7
82.5°	39.0	44.3	48.7	49.3	50.0
85°	22.8	26.8	29.4	30.0	29.4
87.5°	10.2	12.9	13.6	14.2	13.6
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)