

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: P1046987

Luminaire Tested: 22PTR-25-PW1-L850-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046987
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-L850-UNV-STD-W
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

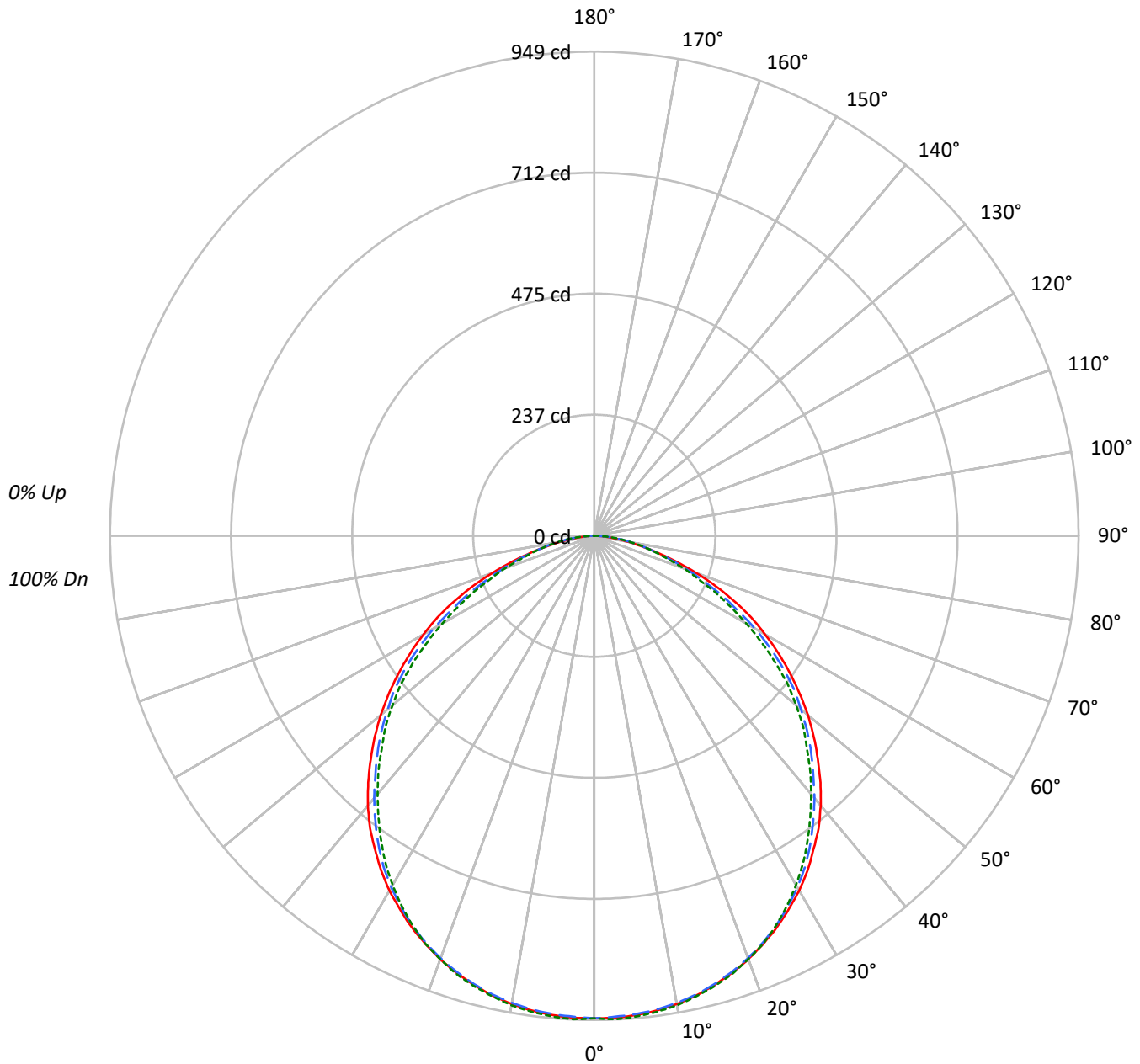
Lumens per Lamp: N/A
Luminaire Lumens: 2510.4 lumens
Efficiency: N/A
Efficacy: 132.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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: P1046987

CATALOG NUMBER: 22PTR-25-PW1-L850-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1046987

CATALOG NUMBER: 22PTR-25-PW1-L850-UNV-STD-W

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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	109	105	101	97	107	103	99	95		98	95	92			94	92	90			91
2	100	92	85	80	97	90	84	79		86	81	77			83	79	75			80
3	91	81	73	67	89	79	72	66		76	70	65			74	68	64			71
4	84	72	63	57	81	71	63	57		68	61	56			66	60	55			64
5	77	64	56	49	75	63	55	49		61	54	48			59	53	48			57
6	71	58	49	43	69	57	49	43		55	48	42			54	47	42			52
7	66	53	44	38	64	52	44	38		50	43	38			49	42	37			48
8	62	48	40	34	60	48	40	34		46	39	34			45	38	34			44
9	58	44	36	31	56	44	36	31		43	35	30			41	35	30			40
10	54	41	33	28	53	40	33	28		39	32	28			38	32	28			38

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: P1046987

CATALOG NUMBER: 22PTR-25-PW1-L850-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.7	3.6
10°-20°	257.3	10.2
20°-30°	388.9	15.5
30°-40°	461.7	18.4
40°-50°	465.2	18.5
50°-60°	402.1	16.0
60°-70°	274.8	10.9
70°-80°	135.5	5.4
80°-90°	35.0	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°	735.9	29.3
0°-40°	1197.6	47.7
0°-60°	2065.0	82.3
0°-90°	2510.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2510.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	946	946	946	946	946	
5°	943	944	941	945	946	90
15°	911	912	910	913	913	257
25°	847	846	843	844	843	390
35°	749	747	738	732	729	469
45°	619	613	601	594	589	478
55°	467	466	451	438	433	417
65°	302	291	274	262	260	298
75°	128	127	125	125	122	139
85°	24	28	31	32	31	30
90°	0	0	0	0	0	

TEST NUMBER: P1046987

CATALOG NUMBER: 22PTR-25-PW1-L850-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	945.9	945.9	945.9	945.9	945.9
2.5°	945.7	945.9	943.5	947.7	948.7
5°	943.1	943.5	941.1	944.9	945.9
7.5°	938.7	939.3	936.5	940.3	941.1
10°	931.9	932.3	929.9	933.7	934.5
12.5°	922.9	923.1	921.1	924.5	924.5
15°	911.3	912.3	909.9	913.1	913.3
17.5°	898.3	898.7	896.3	899.7	900.5
20°	882.9	882.9	880.9	883.7	882.9
22.5°	865.7	865.7	863.3	864.7	865.3
25°	846.9	846.1	843.3	844.1	842.7
27.5°	825.1	825.1	820.1	820.1	817.7
30°	803.0	801.3	796.0	792.9	790.4
32.5°	777.7	775.3	768.7	763.0	761.3
35°	749.4	746.9	738.1	731.5	728.7
37.5°	722.0	716.4	704.8	698.2	695.0
40°	690.1	683.1	671.2	662.0	660.6
42.5°	655.8	650.2	634.8	628.0	626.4
45°	619.4	612.6	601.0	594.0	588.8
47.5°	583.6	578.6	565.4	557.0	555.2
50°	546.0	541.8	528.2	519.1	516.0
52.5°	507.2	504.4	492.8	481.2	477.4
55°	466.9	465.5	451.1	437.8	433.2
57.5°	427.3	425.5	407.6	392.2	388.0
60°	385.9	380.7	363.1	348.7	344.1
62.5°	346.7	335.5	316.5	305.3	300.1
65°	301.7	290.9	274.1	262.1	260.5
67.5°	257.7	244.7	231.7	224.3	218.7
70°	211.7	202.9	193.1	186.8	185.8
72.5°	168.9	162.6	157.7	153.9	150.7
75°	127.9	126.9	125.1	125.1	121.6
77.5°	94.0	96.4	97.8	97.4	98.2
80°	65.2	70.1	72.9	73.2	72.9
82.5°	41.4	47.0	51.6	52.2	53.0
85°	24.2	28.4	31.2	31.8	31.2
87.5°	10.8	13.6	14.4	15.0	14.4
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)