

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: P1046678

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

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046678
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-25-L830-UNV-STD-W
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

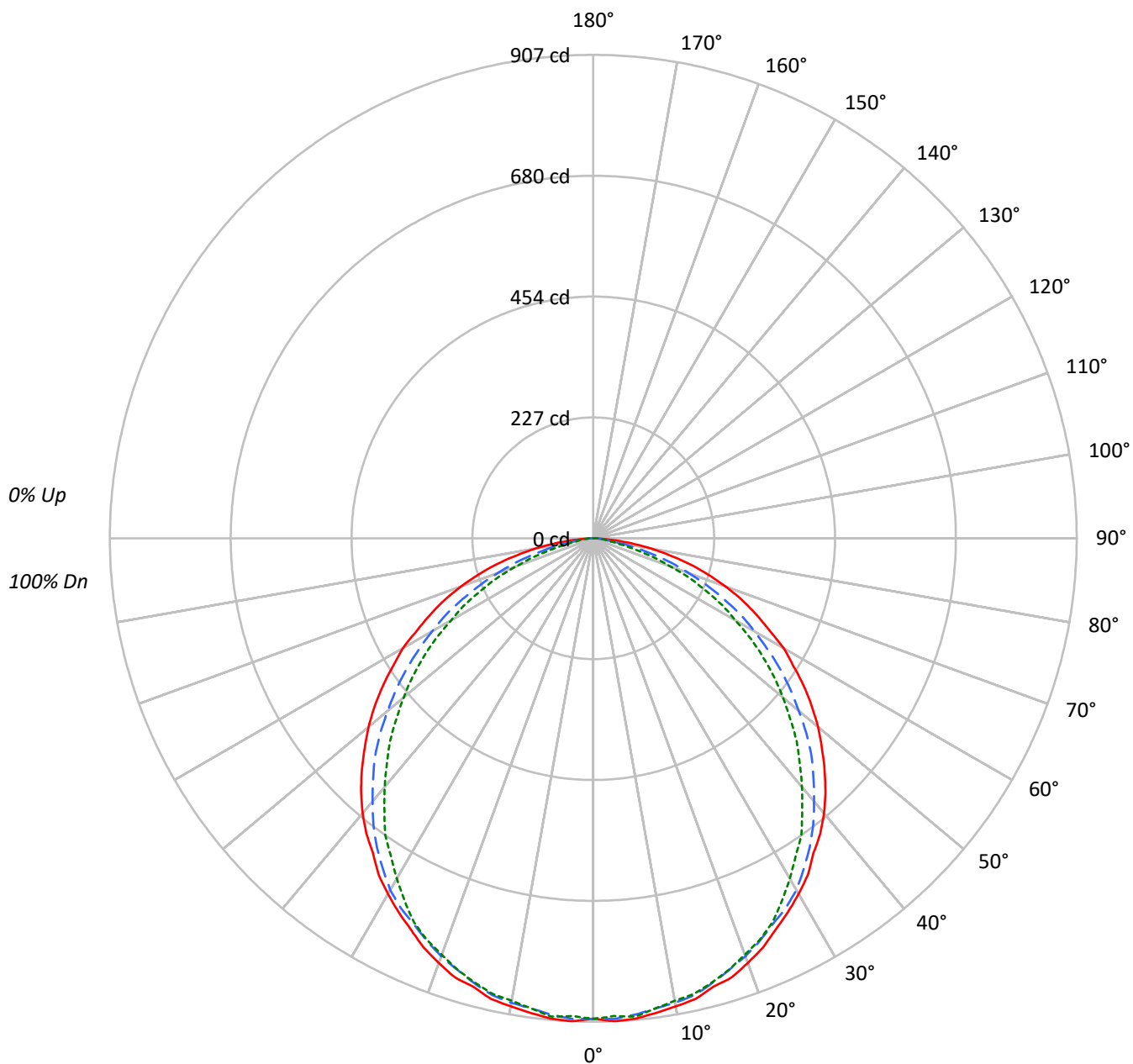
Lumens per Lamp: N/A
Luminaire Lumens: 2401.3 lumens
Efficiency: N/A
Efficacy: 126.4 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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: P1046678

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

Luminous Intensity Polar Plot



TEST NUMBER: P1046678

CATALOG NUMBER: 22PTR-25-L830-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	96		98	95	93			95	92	90			91
2	100	92	85	80	97	90	84	79		87	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	56		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	61	48	40	34	60	47	39	34		46	39	34			45	38	33			44
9	57	44	36	31	56	44	36	30		42	35	30			41	35	30			40
10	54	41	33	28	53	40	33	28		39	32	28			38	32	27			37

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: P1046678

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.5	3.6
10°-20°	244.5	10.2
20°-30°	369.4	15.4
30°-40°	439.2	18.3
40°-50°	445.4	18.5
50°-60°	386.8	16.1
60°-70°	274.6	11.4
70°-80°	131.2	5.5
80°-90°	24.9	1.0
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°	699.3	29.1
0°-40°	1138.5	47.4
0°-60°	1970.6	82.1
0°-90°	2401.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2401.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	902	902	902	902	902	
5°	905	902	897	899	901	86
15°	871	873	864	863	862	247
25°	810	809	798	801	795	374
35°	720	720	708	684	680	453
45°	614	608	579	549	540	473
55°	482	467	428	403	389	430
65°	337	311	271	242	232	333
75°	187	153	114	90	80	197
85°	36	19	17	16	16	46
90°	0	0	0	0	0	

TEST NUMBER: P1046678

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	901.5	901.5	901.5	901.5	901.5
2.5°	906.9	903.6	902.6	906.3	897.2
5°	904.7	901.5	897.2	899.3	901.0
7.5°	898.3	895.6	889.7	894.5	889.7
10°	891.8	889.1	884.8	886.5	881.1
12.5°	885.4	878.9	877.9	878.9	875.2
15°	870.9	873.0	863.9	862.8	862.3
17.5°	863.9	858.5	848.9	849.4	848.3
20°	847.8	841.4	834.4	833.3	831.2
22.5°	831.2	823.6	817.2	820.4	815.6
25°	809.7	808.6	797.9	801.1	795.2
27.5°	790.9	787.1	782.3	775.3	766.7
30°	770.5	766.7	761.9	743.6	737.2
32.5°	749.0	744.7	735.0	713.6	706.6
35°	720.5	719.5	707.7	683.5	680.3
37.5°	699.1	687.3	677.6	652.9	643.8
40°	673.3	666.9	644.3	620.7	608.9
42.5°	644.8	637.3	611.6	586.3	573.4
45°	613.7	608.3	579.3	548.7	539.6
47.5°	581.5	576.7	542.3	512.8	500.9
50°	550.3	544.4	503.1	474.6	463.9
52.5°	516.5	506.9	466.0	438.1	427.9
55°	481.6	467.1	427.9	402.7	388.7
57.5°	444.6	431.1	387.7	361.3	350.1
60°	412.4	393.6	349.0	322.2	307.7
62.5°	371.0	354.9	312.5	280.8	273.8
65°	336.6	311.4	270.6	241.6	232.5
67.5°	301.7	272.2	230.9	201.3	196.5
70°	263.6	233.0	190.6	161.6	153.6
72.5°	225.0	194.9	153.6	123.0	118.1
75°	187.4	153.0	113.8	90.2	80.0
77.5°	146.6	115.4	80.0	55.3	48.9
80°	109.0	77.9	46.2	32.8	32.2
82.5°	71.4	45.1	24.7	25.2	24.2
85°	36.5	19.3	16.6	16.1	15.6
87.5°	7.0	7.5	8.1	8.1	8.1
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)