

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: P1046677

Luminaire Tested: 22PTR-20-L830-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046677
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-20-L830-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

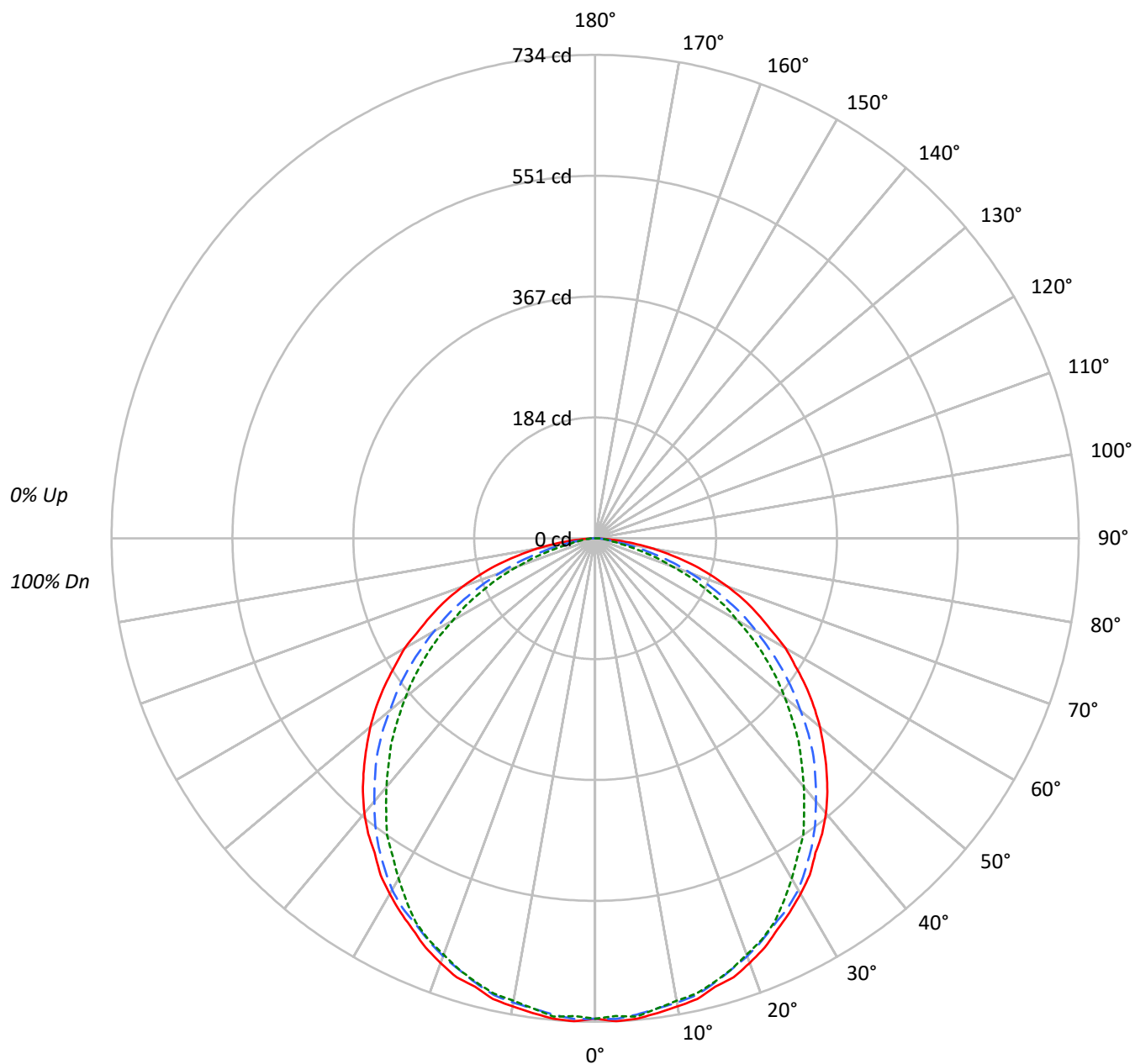
Lumens per Lamp: N/A
Luminaire Lumens: 1943.2 lumens
Efficiency: N/A
Efficacy: 129.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 15
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
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	109	105	101	97		107	103	99	96		98	95	93		95	92	90		91	89	87
2	100	92	85	80		97	90	84	79		87	81	77		83	79	75		80	77	74
3	91	81	73	67		89	79	72	66		76	70	65		74	68	64		71	67	63
4	84	72	63	57		81	71	63	56		68	61	56		66	60	55		64	58	54
5	77	64	56	49		75	63	55	49		61	54	48		59	53	48		57	52	47
6	71	58	49	43		69	57	49	43		55	48	42		54	47	42		52	46	42
7	66	53	44	38		64	52	44	38		50	43	38		49	42	37		48	42	37
8	61	48	40	34		60	47	39	34		46	39	34		45	38	33		44	38	33
9	57	44	36	31		56	44	36	30		42	35	30		41	35	30		40	34	30
10	54	41	33	28		53	40	33	28		39	32	28		38	32	27		37	32	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°	69.2	3.6
10°-20°	197.9	10.2
20°-30°	298.9	15.4
30°-40°	355.4	18.3
40°-50°	360.4	18.5
50°-60°	313.0	16.1
60°-70°	222.2	11.4
70°-80°	106.2	5.5
80°-90°	20.1	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°	565.9	29.1
0°-40°	921.3	47.4
0°-60°	1594.7	82.1
0°-90°	1943.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1943.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	730	730	730	730	730	
5°	732	730	726	728	729	69
15°	705	706	699	698	698	200
25°	655	654	646	648	644	303
35°	583	582	573	553	550	366
45°	497	492	469	444	437	383
55°	390	378	346	326	315	348
65°	272	252	219	196	188	270
75°	152	124	92	73	65	159
85°	30	16	14	13	13	37
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	729.5	729.5	729.5	729.5	729.5
2.5°	733.9	731.3	730.4	733.4	726.0
5°	732.1	729.5	726.0	727.8	729.1
7.5°	726.9	724.7	720.0	723.9	720.0
10°	721.7	719.5	716.0	717.3	713.0
12.5°	716.5	711.3	710.4	711.3	708.2
15°	704.7	706.5	699.1	698.2	697.8
17.5°	699.1	694.8	686.9	687.4	686.5
20°	686.1	680.8	675.2	674.3	672.6
22.5°	672.6	666.5	661.3	663.9	660.0
25°	655.2	654.3	645.7	648.3	643.5
27.5°	640.0	637.0	633.1	627.4	620.5
30°	623.5	620.5	616.5	601.8	596.6
32.5°	606.1	602.6	594.8	577.4	571.8
35°	583.1	582.2	572.7	553.1	550.5
37.5°	565.7	556.2	548.3	528.3	521.0
40°	544.9	539.6	521.4	502.3	492.7
42.5°	521.8	515.7	494.9	474.5	464.0
45°	496.6	492.3	468.8	444.1	436.7
47.5°	470.6	466.6	438.8	414.9	405.4
50°	445.4	440.6	407.1	384.1	375.4
52.5°	418.0	410.2	377.1	354.5	346.3
55°	389.7	378.0	346.3	325.9	314.6
57.5°	359.8	348.9	313.7	292.4	283.3
60°	333.7	318.5	282.4	260.7	249.0
62.5°	300.2	287.2	252.9	227.2	221.6
65°	272.4	252.0	219.0	195.5	188.1
67.5°	244.2	220.3	186.8	162.9	159.0
70°	213.3	188.6	154.2	130.8	124.3
72.5°	182.1	157.7	124.3	99.5	95.6
75°	151.6	123.8	92.1	73.0	64.7
77.5°	118.6	93.4	64.7	44.8	39.5
80°	88.2	63.0	37.4	26.5	26.1
82.5°	57.8	36.5	20.0	20.4	19.6
85°	29.5	15.6	13.5	13.0	12.6
87.5°	5.6	6.1	6.5	6.5	6.5
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)