

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: P1046845

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

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046845
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-20-PLG-L830-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

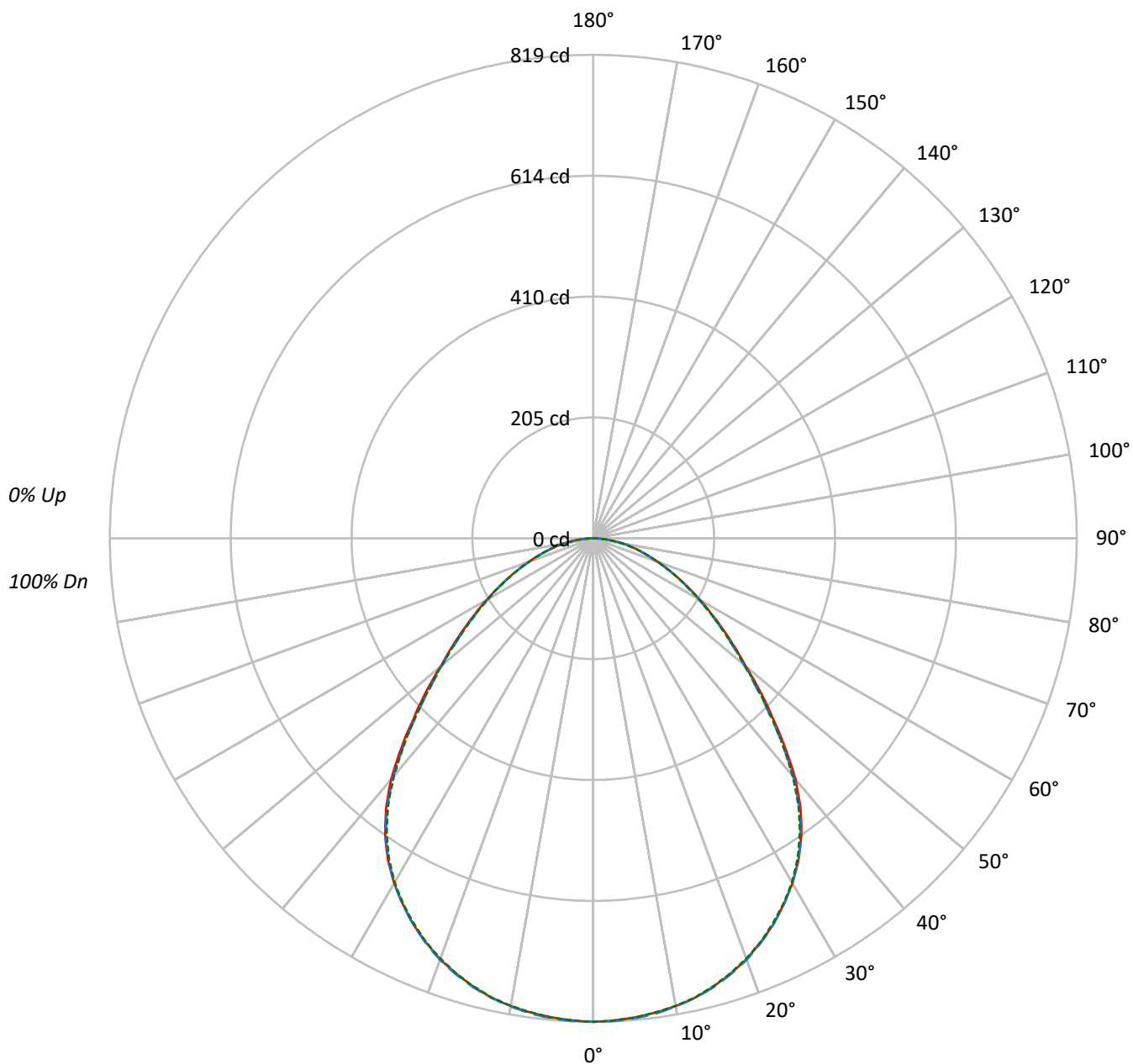
Lumens per Lamp: N/A
Luminaire Lumens: 1846.0 lumens
Efficiency: N/A
Efficacy: 123.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	110	106	102	98	107	103	100	97		99	96	94			95	93	91			92
2	101	94	87	82	99	92	86	81		88	84	79			85	81	78			82
3	93	83	76	70	91	82	75	69		79	73	68			76	71	67			74
4	86	75	67	60	84	73	66	60		71	64	59			69	63	58			67
5	79	67	59	53	77	66	58	53		64	57	52			62	56	51			61
6	74	61	53	47	72	60	52	47		58	51	46			57	51	46			55
7	69	56	48	42	67	55	47	42		54	46	41			52	46	41			51
8	64	51	43	38	62	51	43	38		49	42	37			48	42	37			47
9	60	47	39	34	59	47	39	34		46	39	34			44	38	34			43
10	56	44	36	31	55	43	36	31		42	36	31			41	35	31			40

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°	77.6	4.2
10°-20°	221.9	12.0
20°-30°	332.1	18.0
30°-40°	380.5	20.6
40°-50°	329.1	17.8
50°-60°	238.2	12.9
60°-70°	156.9	8.5
70°-80°	85.4	4.6
80°-90°	24.5	1.3
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°	631.6	34.2
0°-40°	1012.1	54.8
0°-60°	1579.3	85.6
0°-90°	1846.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1846.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	819	819	819	819	819	
5°	815	816	816	816	815	77
15°	786	787	787	788	786	222
25°	722	722	722	723	720	332
35°	615	614	613	612	610	382
45°	430	428	423	422	424	333
55°	268	266	263	262	264	241
65°	158	159	157	156	158	158
75°	81	81	80	80	81	86
85°	22	22	22	22	19	25
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	819.3	819.3	819.3	819.3	819.3
2.5°	817.5	819.3	818.7	819.3	817.5
5°	814.6	816.3	816.3	816.3	815.2
7.5°	810.5	811.7	812.3	812.9	810.0
10°	804.7	805.9	805.3	806.5	804.1
12.5°	797.2	797.2	797.7	798.9	796.6
15°	786.1	786.7	787.3	788.4	785.5
17.5°	773.3	773.9	774.5	775.1	772.7
20°	758.8	758.8	759.9	760.5	757.6
22.5°	740.8	740.8	741.9	743.7	740.2
25°	721.6	721.6	722.2	722.7	719.8
27.5°	698.9	698.9	699.5	701.2	697.7
30°	674.5	673.9	674.5	675.1	672.7
32.5°	647.1	646.6	646.0	646.6	643.7
35°	614.6	614.0	612.8	612.3	609.9
37.5°	576.8	575.6	573.3	573.3	571.0
40°	532.6	529.7	526.8	525.6	525.0
42.5°	481.4	479.1	475.0	474.5	474.5
45°	429.7	428.5	422.7	422.1	424.5
47.5°	383.2	380.3	375.0	373.9	377.4
50°	337.2	337.8	333.2	331.4	334.9
52.5°	301.2	300.0	296.0	294.8	297.7
55°	267.5	266.3	263.4	261.7	264.0
57.5°	236.6	236.1	233.2	232.6	233.7
60°	208.7	208.2	205.8	205.2	205.8
62.5°	182.6	182.6	180.2	179.1	180.8
65°	158.2	159.3	157.0	155.8	157.6
67.5°	136.1	137.2	134.9	133.7	136.1
70°	115.1	116.3	114.0	112.8	115.1
72.5°	97.1	97.7	95.9	95.4	98.3
75°	80.8	80.8	79.7	79.7	80.8
77.5°	65.7	65.1	64.5	64.5	63.4
80°	50.6	50.0	50.0	50.0	48.3
82.5°	36.0	34.9	35.5	36.0	33.1
85°	21.5	21.5	21.5	22.1	19.2
87.5°	8.7	8.7	8.1	8.7	7.6
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)