

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: P1046929

Luminaire Tested: 22PTR-20-PR1-L830-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046929
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-20-PR1-L830-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

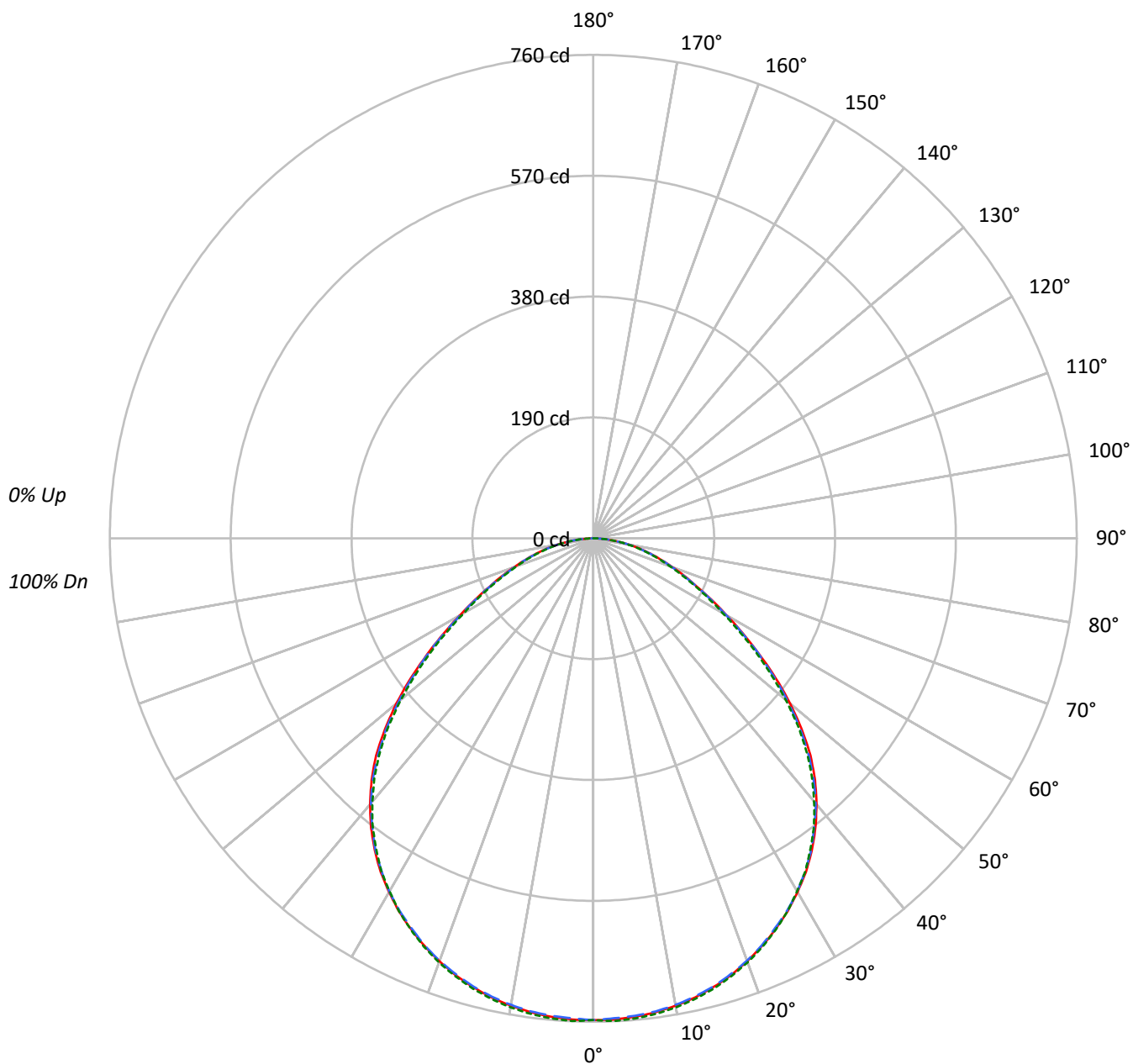
Lumens per Lamp: N/A
Luminaire Lumens: 1915.8 lumens
Efficiency: N/A
Efficacy: 127.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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	110	105	101	98		107	103	99	96		99	96	93		95	92	90		91	89	88
2	100	93	86	81		98	91	85	80		87	82	78		84	80	76		81	78	75
3	92	82	74	68		90	80	73	68		78	71	66		75	70	65		72	68	64
4	85	73	65	58		82	72	64	58		69	63	57		67	61	56		65	60	56
5	78	66	57	51		76	65	56	50		62	55	50		61	54	49		59	53	49
6	72	59	51	45		70	58	50	44		57	49	44		55	49	44		53	48	43
7	67	54	45	40		65	53	45	39		52	44	39		50	44	39		49	43	39
8	62	49	41	35		61	49	41	35		47	40	35		46	40	35		45	39	35
9	58	45	37	32		57	45	37	32		44	37	32		43	36	32		42	36	31
10	55	42	34	29		54	41	34	29		40	34	29		39	33	29		39	33	29

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°	71.8	3.8
10°-20°	206.2	10.8
20°-30°	312.4	16.3
30°-40°	373.0	19.5
40°-50°	366.8	19.1
50°-60°	283.5	14.8
60°-70°	178.8	9.3
70°-80°	96.7	5.0
80°-90°	26.4	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°	590.5	30.8
0°-40°	963.5	50.3
0°-60°	1613.9	84.2
0°-90°	1915.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1915.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	758	758	758	758	758	
5°	755	756	754	757	758	72
15°	730	731	729	732	733	206
25°	678	678	676	678	679	312
35°	599	599	598	597	595	374
45°	483	481	478	474	474	370
55°	319	322	318	312	311	286
65°	180	180	179	176	175	181
75°	93	92	90	91	89	98
85°	22	23	22	22	21	27
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	757.5	757.5	757.5	757.5	757.5
2.5°	757.2	757.5	755.3	758.9	759.7
5°	755.3	755.6	753.7	756.9	757.8
7.5°	751.5	752.1	750.2	753.5	754.3
10°	746.1	746.7	744.8	748.0	748.8
12.5°	739.4	739.6	738.0	740.9	741.7
15°	730.4	730.6	729.3	731.7	732.8
17.5°	720.0	720.3	718.5	721.4	721.9
20°	707.6	707.8	706.7	709.2	709.5
22.5°	693.7	694.3	692.6	694.8	695.1
25°	678.0	678.5	676.3	678.5	678.8
27.5°	661.4	661.6	659.8	661.4	661.1
30°	642.1	643.8	641.3	640.7	640.5
32.5°	622.1	622.3	619.9	619.3	620.4
35°	599.0	599.2	597.6	596.8	595.1
37.5°	573.7	573.7	570.7	570.2	569.9
40°	546.0	545.7	543.8	542.0	540.0
42.5°	515.8	516.4	512.6	509.3	508.8
45°	483.0	481.1	477.6	473.8	474.1
47.5°	444.2	444.7	439.9	436.8	436.0
50°	404.0	404.0	399.4	396.2	394.5
52.5°	361.9	362.2	357.9	353.6	352.7
55°	319.0	321.7	317.6	312.5	311.4
57.5°	278.9	281.0	277.2	271.8	271.5
60°	241.7	241.9	240.8	235.7	234.3
62.5°	209.9	208.5	207.9	205.3	203.6
65°	180.0	180.3	178.9	175.9	175.4
67.5°	155.9	155.6	153.1	151.2	150.1
70°	132.2	131.4	130.3	128.7	127.7
72.5°	111.1	111.1	110.2	109.7	107.8
75°	92.6	91.5	90.5	91.0	88.8
77.5°	75.0	73.9	73.0	71.9	71.4
80°	56.7	55.6	55.9	54.3	54.1
82.5°	39.4	39.4	38.9	37.5	37.8
85°	22.5	22.8	22.3	22.5	21.4
87.5°	8.2	8.4	9.0	8.4	8.4
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°



(END OF REPORT)