

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: P1046887

Luminaire Tested: 22PTR-20-PP3-L830-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046887
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-20-PP3-L830-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

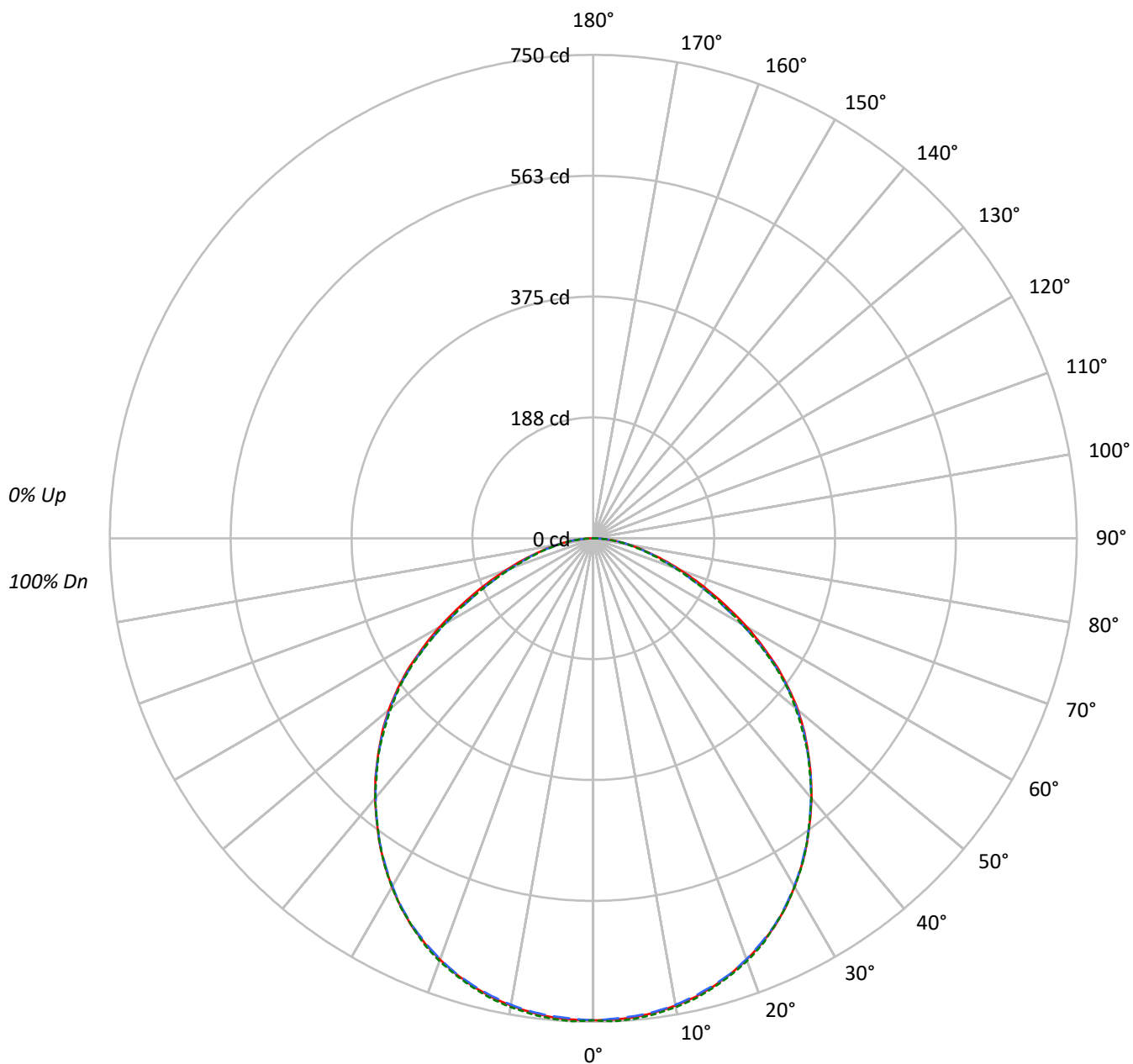
Lumens per Lamp: N/A
Luminaire Lumens: 1932.3 lumens
Efficiency: N/A
Efficacy: 128.8 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 15
Input Voltage (V): 120
Input Current (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

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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	109	105	101	97	107	103	99	96		99	96	93			95	92	90			91
2	100	92	86	80	97	90	84	79		87	82	78			84	79	76			81
3	92	81	74	67	89	80	73	67		77	71	66			74	69	65			72
4	84	73	64	58	82	71	63	57		69	62	56			66	60	56			64
5	77	65	56	50	75	64	56	50		62	55	49			60	54	49			58
6	72	59	50	44	70	58	50	44		56	49	43			54	48	43			53
7	66	53	45	39	65	52	44	39		51	44	38			50	43	38			48
8	62	49	40	35	60	48	40	35		47	39	34			45	39	34			44
9	58	45	37	31	57	44	36	31		43	36	31			42	35	31			41
10	54	41	34	28	53	41	33	28		40	33	28			39	33	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: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.9	3.7
10°-20°	203.2	10.5
20°-30°	305.9	15.8
30°-40°	361.0	18.7
40°-50°	363.1	18.8
50°-60°	306.5	15.9
60°-70°	196.8	10.2
70°-80°	97.9	5.1
80°-90°	26.9	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°	580.0	30.0
0°-40°	941.0	48.7
0°-60°	1610.7	83.4
0°-90°	1932.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1932.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	748	748	748	748	748	
5°	746	746	744	748	748	71
15°	720	720	718	722	722	203
25°	665	665	664	665	664	306
35°	578	578	577	578	578	361
45°	472	473	470	471	471	364
55°	348	348	344	343	343	310
65°	204	201	194	192	194	204
75°	94	93	90	89	88	101
85°	23	24	24	22	22	27
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	747.8	747.8	747.8	747.8	747.8
2.5°	747.5	747.8	745.9	749.4	750.0
5°	745.7	745.9	744.0	747.5	748.0
7.5°	741.8	742.1	740.4	743.7	744.3
10°	736.1	737.0	735.0	738.1	738.6
12.5°	729.1	729.4	727.4	731.0	731.6
15°	719.6	719.8	718.3	721.5	721.5
17.5°	708.7	709.0	707.9	710.7	710.4
20°	695.5	696.3	694.9	696.7	697.8
22.5°	681.1	681.4	679.7	682.2	683.2
25°	664.8	665.0	663.7	665.0	664.5
27.5°	645.8	646.2	644.4	645.8	646.1
30°	624.5	625.9	623.3	624.4	624.5
32.5°	601.8	602.6	600.7	601.0	602.4
35°	577.9	578.2	577.1	577.6	577.6
37.5°	552.2	553.2	551.6	552.3	551.3
40°	526.6	525.5	524.9	525.5	526.3
42.5°	499.7	500.0	499.2	498.6	497.3
45°	471.5	473.1	470.1	470.7	470.7
47.5°	443.9	444.0	442.5	440.8	439.7
50°	414.3	414.3	412.3	411.0	409.3
52.5°	381.9	381.4	379.2	377.9	378.7
55°	348.0	347.7	343.9	342.6	342.9
57.5°	310.8	311.4	305.7	304.3	304.3
60°	275.3	272.5	266.0	264.1	266.5
62.5°	238.0	234.7	227.7	227.7	229.6
65°	204.4	201.4	194.1	192.1	193.8
67.5°	172.9	170.1	163.4	162.4	162.8
70°	143.0	140.7	136.5	134.0	134.9
72.5°	117.3	115.1	112.3	110.5	109.4
75°	93.6	93.1	90.2	89.3	88.2
77.5°	74.1	73.9	71.4	70.3	69.2
80°	55.6	55.3	54.8	53.2	52.4
82.5°	39.7	39.7	39.4	38.0	37.2
85°	23.1	23.9	23.9	22.5	22.5
87.5°	9.3	9.8	9.3	9.3	9.0
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)