

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: P1046888

Luminaire Tested: 22PTR-25-PP3-L830-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046888
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-25-PP3-L830-UNV-STD-W
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

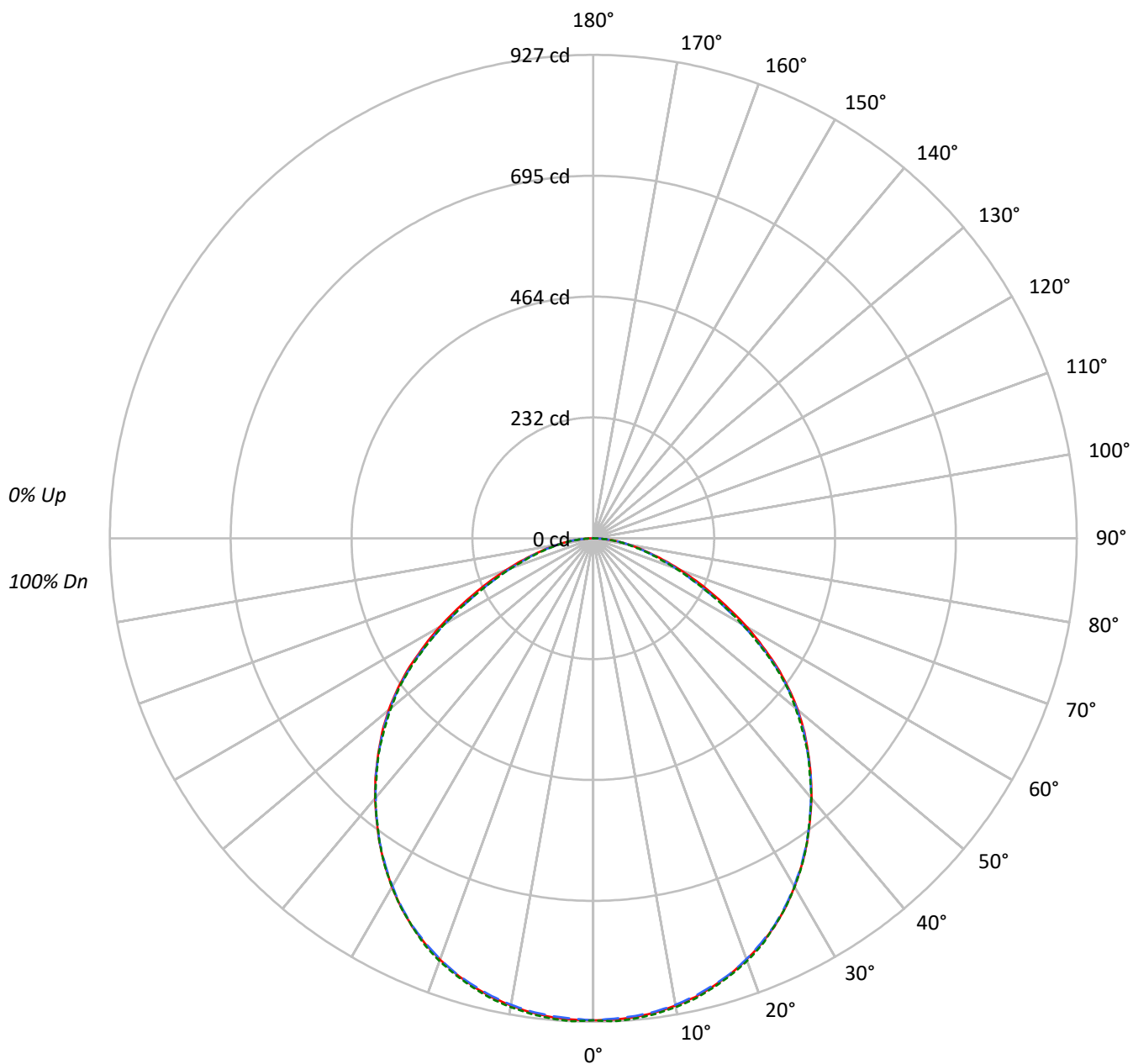
Lumens per Lamp: N/A
Luminaire Lumens: 2388.2 lumens
Efficiency: N/A
Efficacy: 125.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 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

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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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72		
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61		
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46		
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36		
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26		

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°	87.7	3.7
10°-20°	251.1	10.5
20°-30°	378.1	15.8
30°-40°	446.2	18.7
40°-50°	448.8	18.8
50°-60°	378.9	15.9
60°-70°	243.3	10.2
70°-80°	121.0	5.1
80°-90°	33.2	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°	716.8	30.0
0°-40°	1163.0	48.7
0°-60°	1990.7	83.4
0°-90°	2388.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2388.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	924	924	924	924	924	
5°	922	922	920	924	924	88
15°	889	890	888	892	892	251
25°	822	822	820	822	821	378
35°	714	715	713	714	714	446
45°	583	585	581	582	582	450
55°	430	430	425	423	424	383
65°	253	249	240	238	240	252
75°	116	115	111	110	109	125
85°	28	30	30	28	28	34
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	924.3	924.3	924.3	924.3	924.3
2.5°	923.9	924.3	921.9	926.2	927.0
5°	921.6	921.9	919.5	923.9	924.5
7.5°	916.9	917.2	915.1	919.2	919.9
10°	909.8	910.9	908.4	912.2	912.8
12.5°	901.1	901.5	899.1	903.4	904.2
15°	889.4	889.7	887.7	891.7	891.7
17.5°	875.9	876.3	874.9	878.3	878.0
20°	859.6	860.5	858.8	861.1	862.5
22.5°	841.8	842.1	840.1	843.1	844.4
25°	821.6	821.9	820.3	821.9	821.3
27.5°	798.1	798.7	796.4	798.1	798.5
30°	771.9	773.6	770.3	771.7	771.9
32.5°	743.7	744.7	742.4	742.8	744.5
35°	714.2	714.6	713.3	713.9	713.9
37.5°	682.4	683.8	681.7	682.7	681.3
40°	650.9	649.5	648.8	649.5	650.5
42.5°	617.6	617.9	617.0	616.2	614.6
45°	582.7	584.8	581.0	581.7	581.7
47.5°	548.6	548.8	546.9	544.8	543.5
50°	512.0	512.0	509.6	508.0	505.9
52.5°	472.0	471.4	468.7	467.0	468.0
55°	430.1	429.7	425.1	423.4	423.7
57.5°	384.1	384.9	377.8	376.1	376.1
60°	340.2	336.8	328.8	326.5	329.4
62.5°	294.2	290.1	281.5	281.5	283.8
65°	252.6	248.9	239.9	237.5	239.5
67.5°	213.7	210.3	202.0	200.7	201.3
70°	176.8	173.8	168.7	165.7	166.8
72.5°	144.9	142.3	138.9	136.5	135.2
75°	115.7	115.1	111.4	110.3	109.0
77.5°	91.6	91.3	88.3	86.9	85.6
80°	68.8	68.4	67.8	65.7	64.7
82.5°	49.0	49.0	48.6	46.9	46.0
85°	28.5	29.5	29.5	27.8	27.8
87.5°	11.5	12.1	11.5	11.5	11.1
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)