

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: P1046903

Luminaire Tested: 22PTR-25-PP3-L850-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046903
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-L850-UNV-STD-W
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

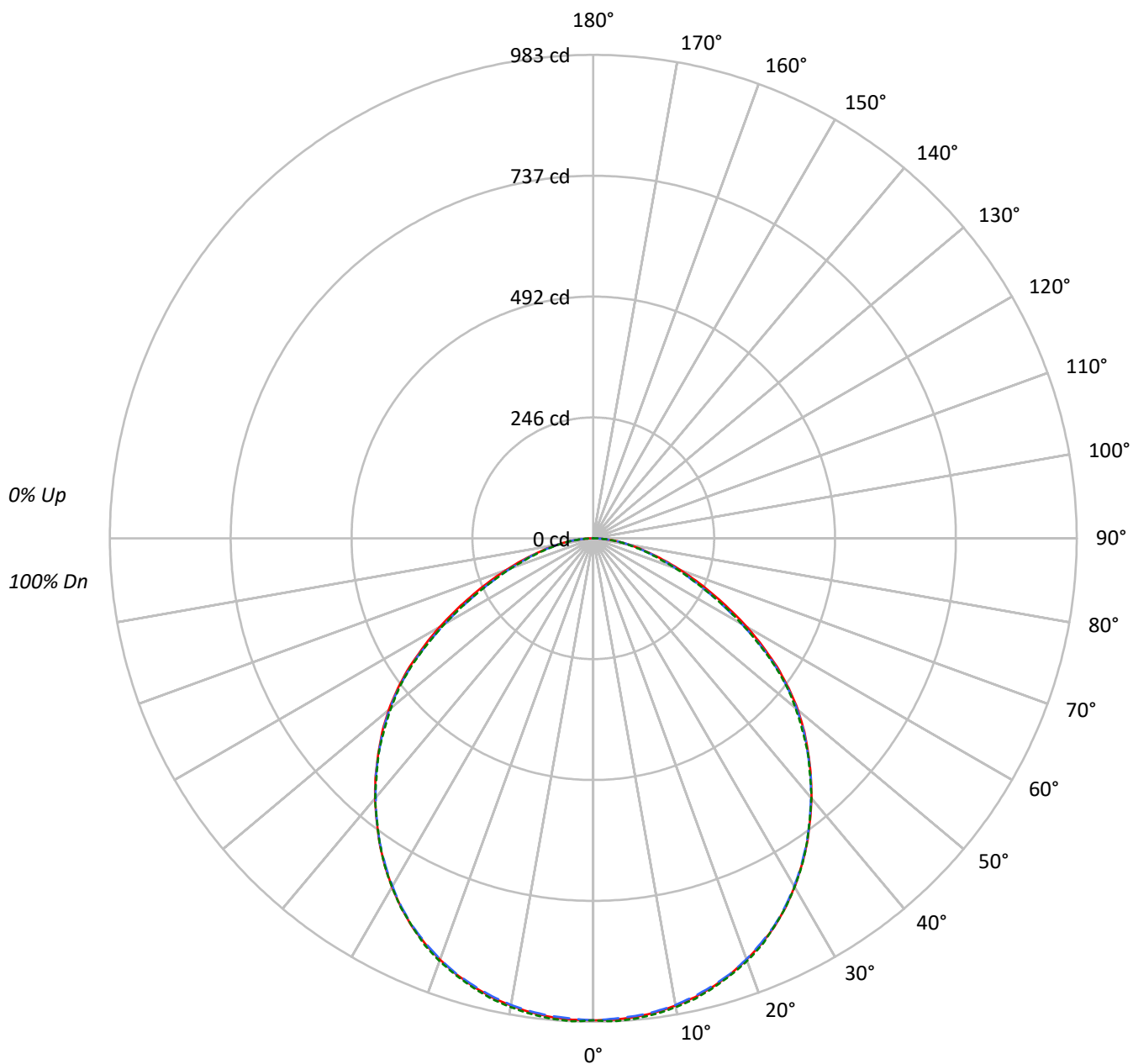
Lumens per Lamp: N/A
Luminaire Lumens: 2532.7 lumens
Efficiency: N/A
Efficacy: 133.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 19
Input Voltage (V): 120
Input Current (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	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°	93.0	3.7
10°-20°	266.3	10.5
20°-30°	400.9	15.8
30°-40°	473.2	18.7
40°-50°	475.9	18.8
50°-60°	401.8	15.9
60°-70°	258.0	10.2
70°-80°	128.3	5.1
80°-90°	35.2	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°	760.2	30.0
0°-40°	1233.4	48.7
0°-60°	2111.1	83.4
0°-90°	2532.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2532.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	980	980	980	980	980	
5°	977	978	975	980	980	93
15°	943	944	941	946	946	266
25°	871	872	870	872	871	401
35°	758	758	756	757	757	473
45°	618	620	616	617	617	477
55°	456	456	451	449	449	406
65°	268	264	254	252	254	267
75°	123	122	118	117	116	133
85°	30	31	31	30	30	36
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	980.2	980.2	980.2	980.2	980.2
2.5°	979.8	980.2	977.6	982.3	983.1
5°	977.4	977.6	975.2	979.8	980.5
7.5°	972.3	972.7	970.5	974.8	975.6
10°	964.8	966.0	963.4	967.4	968.1
12.5°	955.7	956.1	953.5	958.1	958.9
15°	943.3	943.5	941.4	945.7	945.7
17.5°	928.9	929.3	927.9	931.5	931.1
20°	911.6	912.6	910.8	913.3	914.7
22.5°	892.7	893.1	890.9	894.1	895.5
25°	871.4	871.6	869.9	871.6	871.0
27.5°	846.4	847.1	844.6	846.4	846.8
30°	818.6	820.4	816.9	818.4	818.6
32.5°	788.8	789.8	787.3	787.7	789.5
35°	757.5	757.9	756.4	757.1	757.1
37.5°	723.7	725.2	723.0	724.0	722.6
40°	690.2	688.8	688.0	688.8	689.9
42.5°	655.0	655.3	654.3	653.5	651.8
45°	618.0	620.2	616.2	616.9	616.9
47.5°	581.8	582.0	580.0	577.8	576.3
50°	543.0	543.0	540.4	538.7	536.5
52.5°	500.6	499.9	497.1	495.3	496.3
55°	456.1	455.7	450.8	449.0	449.4
57.5°	407.4	408.1	400.6	398.8	398.8
60°	360.8	357.2	348.7	346.2	349.3
62.5°	312.0	307.7	298.5	298.5	301.0
65°	267.9	264.0	254.4	251.8	254.0
67.5°	226.6	223.0	214.2	212.8	213.4
70°	187.5	184.4	178.9	175.7	176.9
72.5°	153.7	150.9	147.3	144.8	143.4
75°	122.7	122.0	118.2	117.0	115.6
77.5°	97.1	96.8	93.6	92.2	90.8
80°	72.9	72.5	71.9	69.7	68.6
82.5°	52.0	52.0	51.6	49.8	48.7
85°	30.3	31.3	31.3	29.5	29.5
87.5°	12.2	12.8	12.2	12.2	11.8
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)