

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: P1046982

Luminaire Tested: 22PTR-25-PW1-L840-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046982
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-25-PW1-L840-UNV-STD-W
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

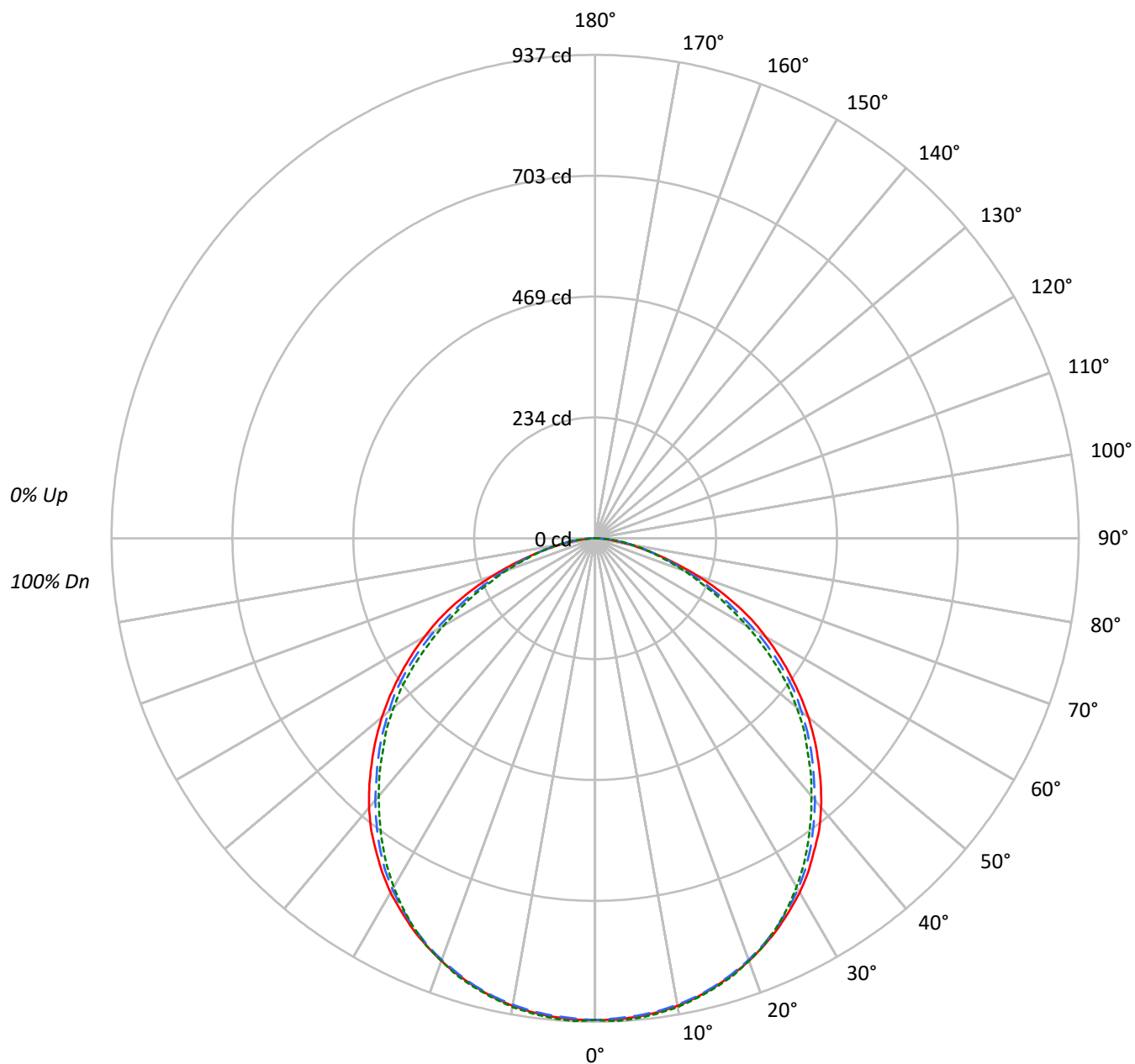
Lumens per Lamp: N/A
Luminaire Lumens: 2478.4 lumens
Efficiency: N/A
Efficacy: 130.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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
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	95		98	95	92			94	92	90			91
2	100	92	85	80	97	90	84	79		86	81	77			83	79	75			80
3	91	81	73	67	89	79	72	66		76	70	65			74	68	64			71
4	84	72	63	57	81	71	63	57		68	61	56			66	60	55			64
5	77	64	56	49	75	63	55	49		61	54	48			59	53	48			57
6	71	58	49	43	69	57	49	43		55	48	42			54	47	42			52
7	66	53	44	38	64	52	44	38		50	43	38			49	42	37			48
8	62	48	40	34	60	48	40	34		46	39	34			45	38	34			44
9	58	44	36	31	56	44	36	31		43	35	30			41	35	30			40
10	54	41	33	28	53	40	33	28		39	32	28			38	32	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°	88.6	3.6
10°-20°	254.0	10.2
20°-30°	383.9	15.5
30°-40°	455.9	18.4
40°-50°	459.3	18.5
50°-60°	397.0	16.0
60°-70°	271.3	10.9
70°-80°	133.8	5.4
80°-90°	34.6	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°	726.5	29.3
0°-40°	1182.4	47.7
0°-60°	2038.7	82.3
0°-90°	2478.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2478.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	934	934	934	934	934	
5°	931	932	929	933	934	89
15°	900	901	898	901	902	254
25°	836	835	832	833	832	385
35°	740	737	729	722	719	463
45°	612	605	593	586	581	472
55°	461	460	445	432	428	412
65°	298	287	271	259	257	294
75°	126	125	124	124	120	138
85°	24	28	31	31	31	29
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	933.9	933.9	933.9	933.9	933.9
2.5°	933.6	933.9	931.5	935.6	936.7
5°	931.1	931.5	929.1	932.9	933.9
7.5°	926.7	927.3	924.6	928.4	929.1
10°	920.1	920.4	918.0	921.8	922.6
12.5°	911.1	911.4	909.4	912.8	912.8
15°	899.7	900.7	898.3	901.4	901.7
17.5°	886.9	887.2	884.8	888.2	889.0
20°	871.6	871.6	869.6	872.4	871.6
22.5°	854.7	854.7	852.3	853.7	854.3
25°	836.1	835.3	832.5	833.3	831.9
27.5°	814.6	814.6	809.7	809.7	807.3
30°	792.8	791.0	785.9	782.7	780.4
32.5°	767.8	765.4	758.9	753.3	751.6
35°	739.9	737.3	728.7	722.1	719.4
37.5°	712.8	707.3	695.9	689.3	686.2
40°	681.3	674.4	662.7	653.6	652.2
42.5°	647.4	641.9	626.7	620.0	618.4
45°	611.5	604.8	593.4	586.5	581.3
47.5°	576.1	571.2	558.2	549.9	548.1
50°	539.1	534.9	521.5	512.5	509.4
52.5°	500.7	497.9	486.5	475.1	471.3
55°	461.0	459.6	445.4	432.2	427.6
57.5°	421.9	420.1	402.4	387.2	383.0
60°	381.0	375.8	358.5	344.3	339.8
62.5°	342.3	331.2	312.5	301.4	296.2
65°	297.9	287.2	270.6	258.8	257.1
67.5°	254.4	241.5	228.7	221.4	215.9
70°	209.0	200.3	190.6	184.5	183.5
72.5°	166.7	160.6	155.7	151.9	148.8
75°	126.2	125.2	123.5	123.5	120.1
77.5°	92.8	95.2	96.6	96.2	96.9
80°	64.4	69.2	71.9	72.3	71.9
82.5°	40.9	46.4	50.9	51.6	52.3
85°	23.9	28.0	30.8	31.4	30.8
87.5°	10.7	13.5	14.2	14.8	14.2
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)