

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: P1046819

Luminaire Tested: 22PTR-25-PL1-L850-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046819
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-25-PL1-L850-UNV-STD-W
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

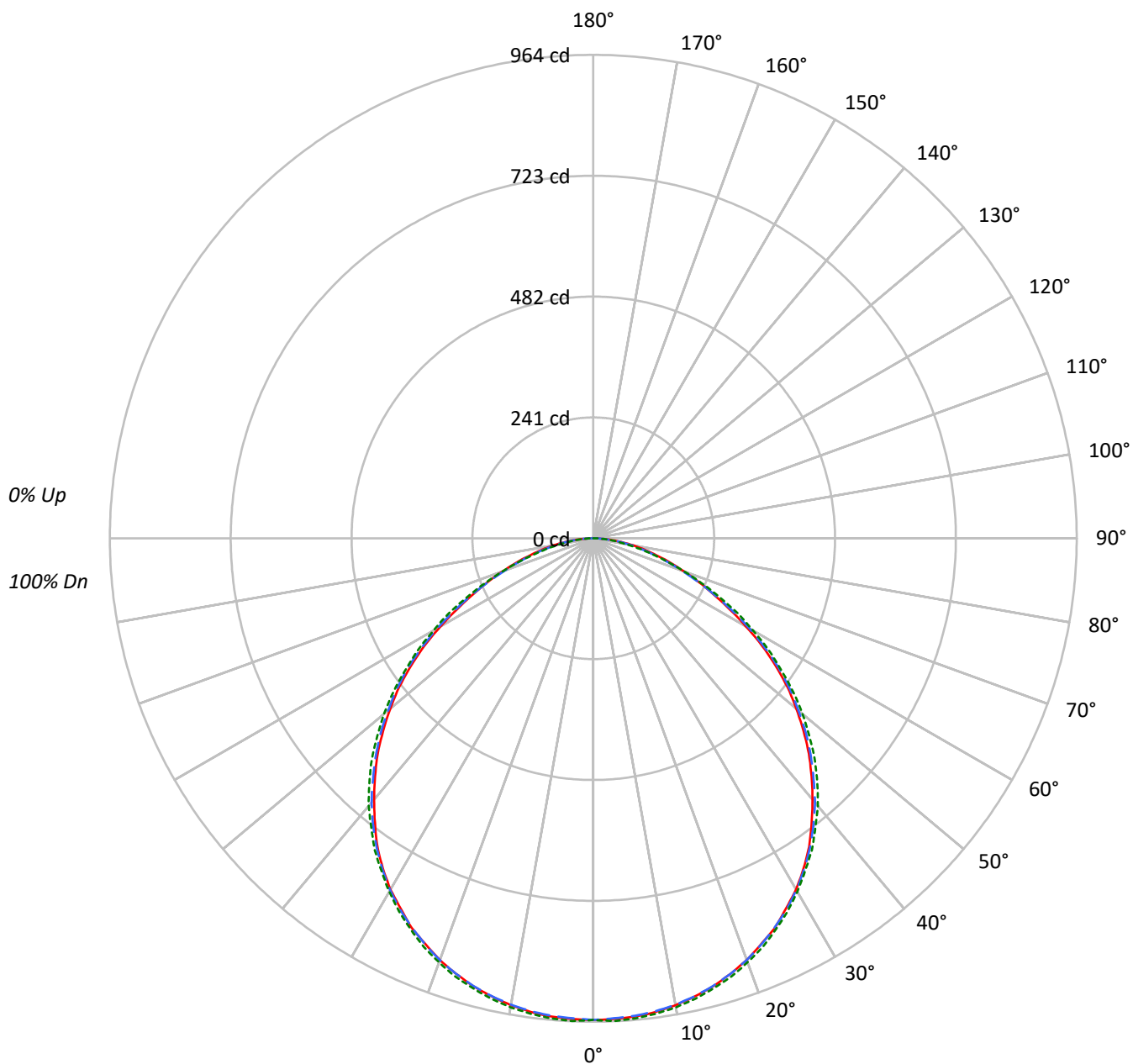
Lumens per Lamp: N/A
Luminaire Lumens: 2531.7 lumens
Efficiency: N/A
Efficacy: 133.2 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	109	105	101	97		107	103	99	96		98	95	93		94	92	90		91	89	87
2	100	92	86	80		97	90	84	79		87	82	77		83	79	75		80	77	74
3	91	81	73	67		89	80	72	66		77	70	65		74	69	64		71	67	63
4	84	72	64	57		82	71	63	57		68	61	56		66	60	55		64	59	55
5	77	65	56	49		75	64	55	49		61	54	49		60	53	48		58	52	48
6	71	58	50	43		69	57	49	43		56	48	43		54	47	42		52	47	42
7	66	53	44	38		65	52	44	38		51	43	38		49	43	38		48	42	37
8	62	48	40	34		60	48	40	34		46	39	34		45	39	34		44	38	34
9	58	44	36	31		56	44	36	31		43	36	31		42	35	30		41	35	30
10	54	41	33	28		53	41	33	28		40	33	28		39	32	28		38	32	28

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°	91.1	3.6
10°-20°	261.3	10.3
20°-30°	395.2	15.6
30°-40°	471.1	18.6
40°-50°	473.7	18.7
50°-60°	402.1	15.9
60°-70°	267.7	10.6
70°-80°	133.7	5.3
80°-90°	35.7	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°	747.7	29.5
0°-40°	1218.8	48.1
0°-60°	2094.6	82.7
0°-90°	2531.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2531.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	960	960	960	960	960	
5°	958	958	956	960	961	91
15°	924	926	924	928	929	261
25°	857	857	856	860	861	394
35°	750	751	753	759	759	468
45°	608	609	613	621	625	468
55°	444	447	451	456	457	396
65°	264	266	266	270	277	264
75°	130	128	123	120	120	140
85°	34	33	31	29	26	39
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	960.4	960.4	960.4	960.4	960.4
2.5°	959.7	960.4	957.9	962.5	963.7
5°	957.6	957.9	955.8	960.1	961.1
7.5°	952.9	953.3	951.1	955.8	956.4
10°	945.4	946.2	944.4	948.7	949.7
12.5°	935.9	936.9	935.1	939.8	940.5
15°	924.5	925.5	924.1	928.0	928.8
17.5°	910.5	911.3	910.5	914.2	916.2
20°	894.9	894.9	894.9	898.1	899.9
22.5°	875.4	877.2	876.4	880.7	882.5
25°	857.3	857.3	856.1	860.1	860.8
27.5°	831.9	834.8	834.5	838.0	838.8
30°	808.8	809.6	809.9	812.4	813.8
32.5°	780.7	781.4	782.5	786.0	786.4
35°	750.5	751.2	753.3	758.6	759.4
37.5°	715.3	719.2	721.0	726.7	727.3
40°	680.0	682.5	687.9	693.8	696.7
42.5°	644.0	646.9	650.1	658.3	660.9
45°	608.1	609.1	613.1	621.3	624.9
47.5°	568.3	571.5	575.0	582.1	584.3
50°	528.5	531.9	534.1	540.5	544.7
52.5°	488.2	491.5	493.9	497.8	502.1
55°	444.1	447.3	451.3	455.5	456.6
57.5°	399.3	402.8	405.4	409.9	414.5
60°	351.2	355.2	358.7	362.9	367.6
62.5°	306.4	308.1	311.7	318.9	325.6
65°	263.6	265.8	266.5	270.5	277.2
67.5°	228.1	228.1	224.9	226.3	233.8
70°	190.7	189.3	186.8	185.4	191.5
72.5°	160.5	158.7	153.4	150.9	154.1
75°	130.2	128.4	122.7	119.9	120.3
77.5°	104.6	101.8	97.1	92.2	91.2
80°	79.4	78.2	73.7	69.0	65.4
82.5°	56.2	53.8	51.2	48.4	45.5
85°	33.7	33.1	30.6	28.8	26.4
87.5°	13.8	13.8	13.2	12.4	11.8
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)