

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: P1046945

Luminaire Tested: 22PTR-25-PR1-L850-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046945
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-25-PR1-L850-UNV-STD-W
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

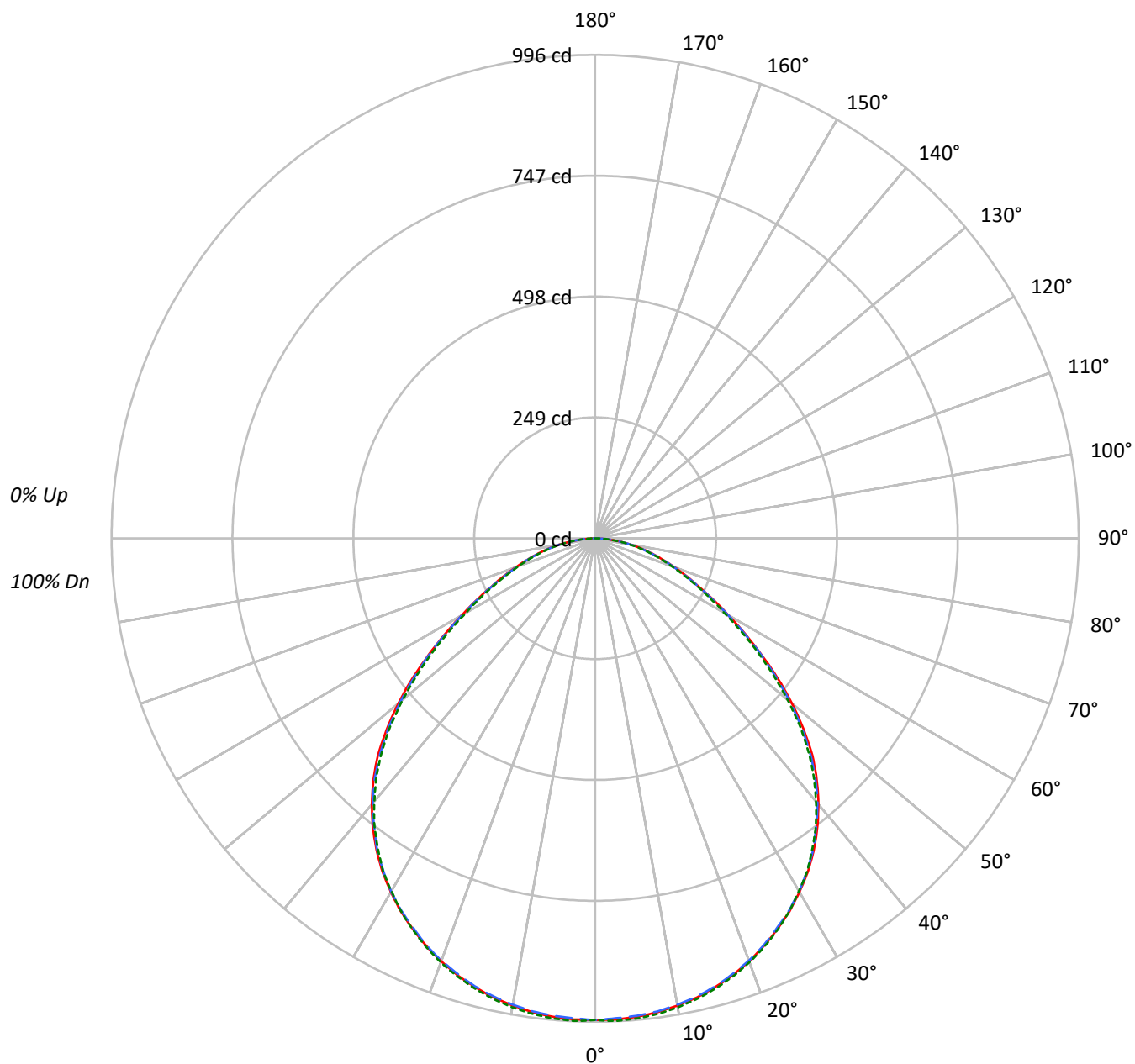
Lumens per Lamp: N/A
Luminaire Lumens: 2510.4 lumens
Efficiency: N/A
Efficacy: 132.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27		

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°	94.2	3.8
10°-20°	270.3	10.8
20°-30°	409.4	16.3
30°-40°	488.8	19.5
40°-50°	480.7	19.1
50°-60°	371.5	14.8
60°-70°	234.3	9.3
70°-80°	126.7	5.0
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°	773.8	30.8
0°-40°	1262.6	50.3
0°-60°	2114.8	84.2
0°-90°	2510.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2510.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	993	993	993	993	993	
5°	990	990	988	992	993	94
15°	957	957	956	959	960	270
25°	888	889	886	889	890	409
35°	785	785	783	782	780	490
45°	633	630	626	621	621	485
55°	418	422	416	410	408	375
65°	236	236	234	230	230	237
75°	121	120	118	119	116	129
85°	30	30	29	30	28	35
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	992.6	992.6	992.6	992.6	992.6
2.5°	992.2	992.6	989.8	994.4	995.5
5°	989.8	990.2	987.6	991.9	993.0
7.5°	984.7	985.5	983.1	987.3	988.4
10°	977.6	978.4	976.0	980.2	981.3
12.5°	968.8	969.1	967.0	970.9	972.0
15°	957.1	957.3	955.7	958.8	960.2
17.5°	943.5	943.9	941.4	945.3	946.0
20°	927.2	927.5	926.1	929.3	929.7
22.5°	909.0	909.8	907.6	910.4	910.8
25°	888.4	889.1	886.2	889.1	889.5
27.5°	866.7	867.0	864.5	866.7	866.3
30°	841.4	843.6	840.4	839.6	839.3
32.5°	815.2	815.4	812.3	811.5	813.0
35°	784.9	785.2	783.1	782.1	779.9
37.5°	751.8	751.8	747.8	747.2	746.8
40°	715.5	715.1	712.6	710.2	707.6
42.5°	675.9	676.7	671.7	667.4	666.8
45°	632.9	630.4	625.8	620.9	621.3
47.5°	582.1	582.7	576.4	572.4	571.4
50°	529.3	529.3	523.4	519.1	516.9
52.5°	474.3	474.7	469.0	463.3	462.1
55°	418.0	421.5	416.2	409.5	408.1
57.5°	365.4	368.3	363.2	356.1	355.7
60°	316.7	317.0	315.5	308.8	307.0
62.5°	275.1	273.3	272.5	269.0	266.8
65°	235.9	236.3	234.5	230.5	229.8
67.5°	204.2	203.9	200.6	198.2	196.7
70°	173.2	172.2	170.8	168.7	167.3
72.5°	145.6	145.6	144.4	143.7	141.3
75°	121.4	120.0	118.5	119.2	116.3
77.5°	98.2	96.8	95.7	94.2	93.6
80°	74.3	72.9	73.3	71.1	70.8
82.5°	51.6	51.6	50.9	49.1	49.5
85°	29.5	29.9	29.2	29.5	28.1
87.5°	10.7	11.0	11.8	11.0	11.0
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)