

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: P1046735

Luminaire Tested: 22PTR-25-PB1-L850-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046735
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-25-PB1-L850-UNV-STD-W
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

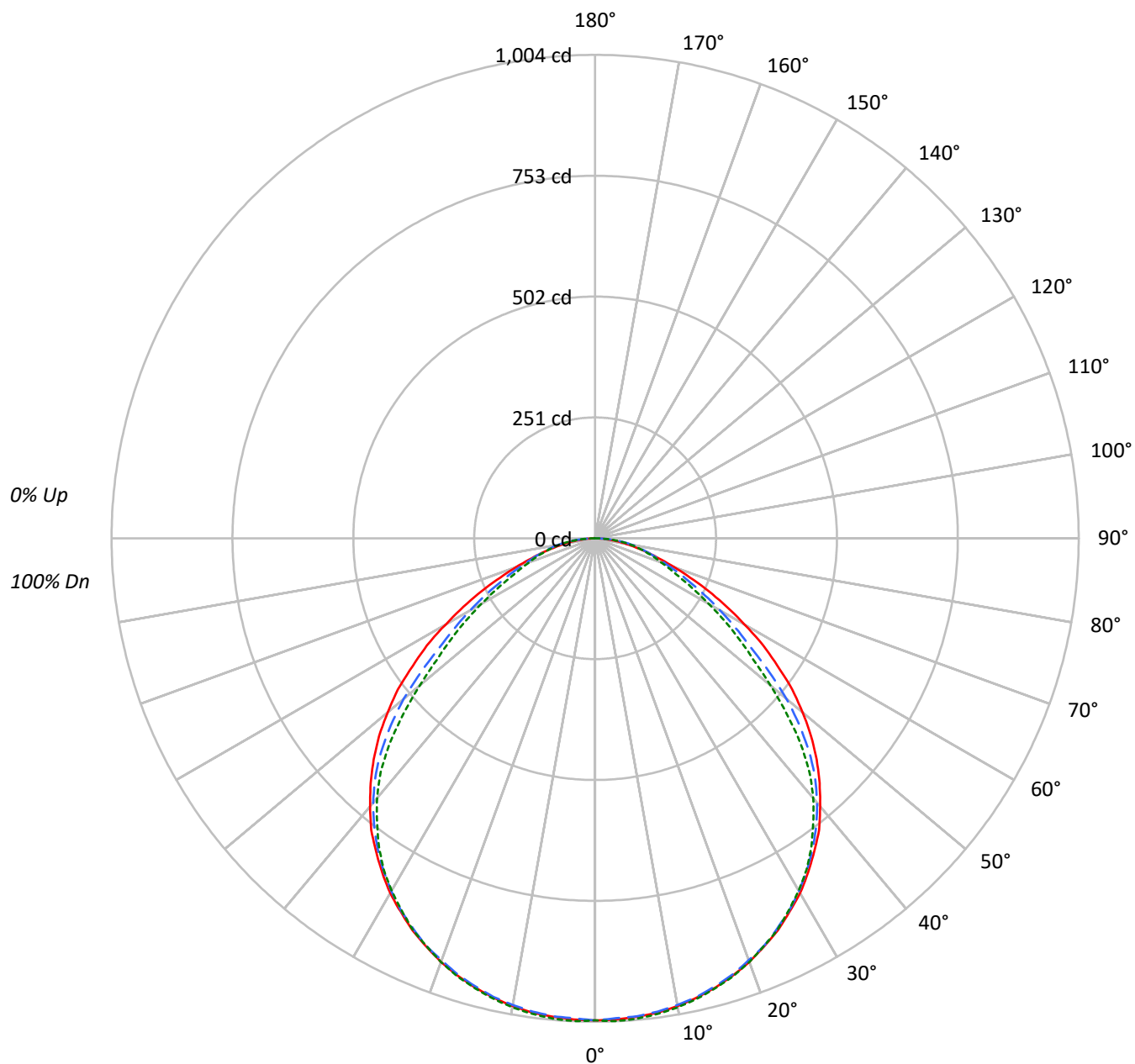
Lumens per Lamp: N/A
Luminaire Lumens: 2497.0 lumens
Efficiency: N/A
Efficacy: 131.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	86		
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62		
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54		
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47		
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37		
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33		
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30		
10	55	42	34	29	54	42	34	29	41	34	29	40	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°	94.9	3.8
10°-20°	272.5	10.9
20°-30°	412.7	16.5
30°-40°	491.8	19.7
40°-50°	480.9	19.3
50°-60°	363.7	14.6
60°-70°	223.5	8.9
70°-80°	119.1	4.8
80°-90°	38.0	1.5
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°	780.1	31.2
0°-40°	1271.9	50.9
0°-60°	2116.5	84.8
0°-90°	2497.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2497.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1001	1001	1001	1001	1001	
5°	998	999	996	1000	1001	95
15°	966	967	963	967	967	273
25°	898	897	894	896	897	414
35°	793	792	787	783	782	496
45°	650	647	629	608	604	500
55°	462	438	393	371	364	414
65°	260	239	219	202	196	259
75°	111	112	113	110	107	119
85°	25	32	39	37	34	30
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1001.4	1001.4	1001.4	1001.4	1001.4
2.5°	1000.2	1001.4	997.6	1002.7	1003.8
5°	997.6	998.9	996.5	1000.2	1001.4
7.5°	994.0	994.0	991.6	995.2	996.5
10°	986.6	986.6	984.2	987.8	989.1
12.5°	976.8	976.8	975.5	978.0	979.3
15°	965.7	966.9	963.2	966.9	966.9
17.5°	952.1	951.0	949.7	952.1	953.4
20°	936.1	936.1	932.5	934.9	936.1
22.5°	917.6	917.6	916.4	917.6	916.4
25°	897.9	896.6	894.2	895.5	896.6
27.5°	874.5	874.5	872.1	872.1	870.8
30°	851.1	849.8	846.2	843.8	844.9
32.5°	822.8	821.5	817.9	815.4	816.6
35°	793.2	792.0	787.1	783.4	782.2
37.5°	763.7	760.0	753.8	748.8	743.9
40°	726.7	723.0	716.9	705.8	704.5
42.5°	689.7	686.1	676.2	662.7	659.0
45°	650.3	646.7	629.4	608.4	603.5
47.5°	608.4	602.3	575.2	549.3	539.5
50°	561.7	550.6	518.5	485.3	474.2
52.5°	516.1	496.4	454.5	424.9	413.9
55°	461.9	438.5	393.0	370.7	364.5
57.5°	413.9	381.9	344.9	322.8	317.8
60°	358.4	328.8	299.4	279.6	272.2
62.5°	307.9	282.0	257.5	240.1	231.6
65°	259.9	239.0	219.3	202.0	195.9
67.5°	213.1	202.0	185.9	172.5	168.8
70°	173.7	167.5	156.5	150.3	145.3
72.5°	138.0	140.4	133.1	130.6	126.9
75°	110.8	112.1	113.3	109.7	107.2
77.5°	83.8	89.9	94.8	92.3	89.9
80°	62.8	68.9	77.6	74.0	74.0
82.5°	43.1	50.6	57.9	55.5	54.2
85°	24.7	32.1	39.4	37.0	34.5
87.5°	9.8	16.0	17.2	17.2	16.0
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°



(END OF REPORT)