

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: P1046986

Luminaire Tested: 22PTR-20-PW1-L850-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046986
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-20-PW1-L850-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

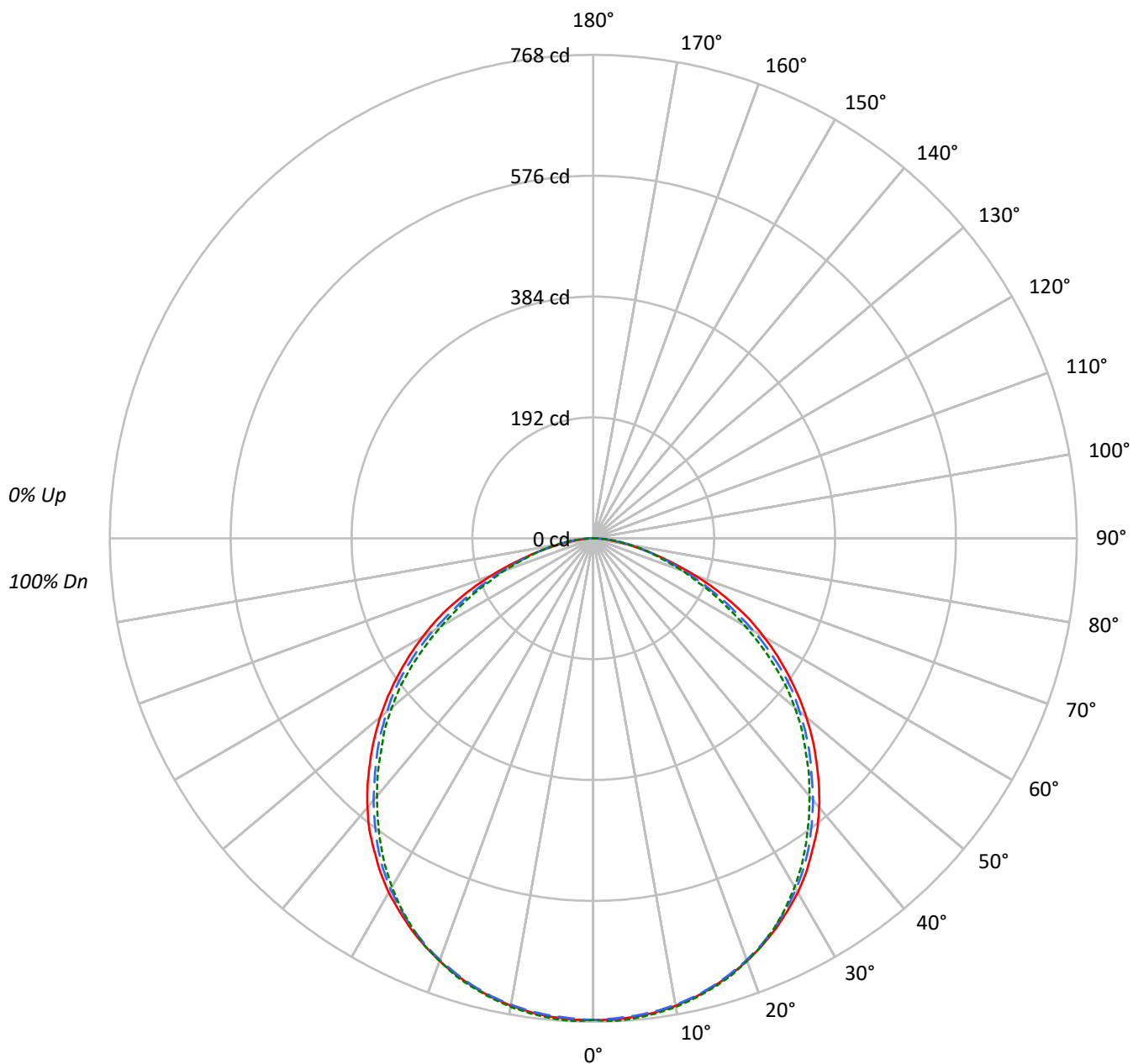
Lumens per Lamp: N/A
Luminaire Lumens: 2031.2 lumens
Efficiency: N/A
Efficacy: 135.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: (L: 2' x W: 0' x H: 2'
CIE Type: Direct

Input Watts (W): 15
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	95	98	95	92	94	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52		
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31		
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	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°	72.6	3.6
10°-20°	208.2	10.2
20°-30°	314.6	15.5
30°-40°	373.6	18.4
40°-50°	376.4	18.5
50°-60°	325.4	16.0
60°-70°	222.4	10.9
70°-80°	109.6	5.4
80°-90°	28.4	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°	595.4	29.3
0°-40°	969.0	47.7
0°-60°	1670.8	82.3
0°-90°	2031.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2031.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	765	765	765	765	765	
5°	763	763	762	765	765	73
15°	737	738	736	739	739	208
25°	685	685	682	683	682	316
35°	606	604	597	592	590	380
45°	501	496	486	481	476	387
55°	378	377	365	354	350	338
65°	244	235	222	212	211	241
75°	104	103	101	101	98	113
85°	20	23	25	26	25	24
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	765.4	765.4	765.4	765.4	765.4
2.5°	765.2	765.4	763.4	766.8	767.6
5°	763.1	763.4	761.5	764.6	765.4
7.5°	759.5	760.0	757.8	760.8	761.5
10°	754.0	754.4	752.4	755.5	756.1
12.5°	746.7	746.9	745.3	748.1	748.1
15°	737.4	738.2	736.2	738.8	739.0
17.5°	726.8	727.1	725.2	728.0	728.6
20°	714.4	714.4	712.7	715.0	714.4
22.5°	700.5	700.5	698.5	699.6	700.1
25°	685.2	684.6	682.3	682.9	681.8
27.5°	667.6	667.6	663.6	663.6	661.6
30°	649.8	648.3	644.1	641.5	639.6
32.5°	629.2	627.3	621.9	617.4	616.0
35°	606.4	604.3	597.2	591.8	589.6
37.5°	584.2	579.7	570.3	564.9	562.4
40°	558.3	552.7	543.1	535.7	534.5
42.5°	530.6	526.1	513.6	508.2	506.8
45°	501.2	495.7	486.3	480.6	476.4
47.5°	472.2	468.2	457.5	450.7	449.2
50°	441.8	438.4	427.4	420.0	417.5
52.5°	410.4	408.1	398.7	389.3	386.2
55°	377.8	376.7	365.0	354.2	350.5
57.5°	345.7	344.3	329.8	317.3	313.9
60°	312.3	308.0	293.8	282.2	278.5
62.5°	280.5	271.4	256.1	247.0	242.8
65°	244.1	235.4	221.8	212.1	210.7
67.5°	208.5	198.0	187.5	181.5	176.9
70°	171.3	164.2	156.2	151.2	150.4
72.5°	136.6	131.6	127.6	124.5	121.9
75°	103.5	102.6	101.2	101.2	98.4
77.5°	76.1	78.0	79.1	78.8	79.5
80°	52.8	56.7	58.9	59.3	58.9
82.5°	33.5	38.0	41.7	42.3	42.9
85°	19.6	23.0	25.2	25.8	25.2
87.5°	8.8	11.0	11.6	12.2	11.6
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)