

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: P1046692

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

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046692
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-20-L850-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

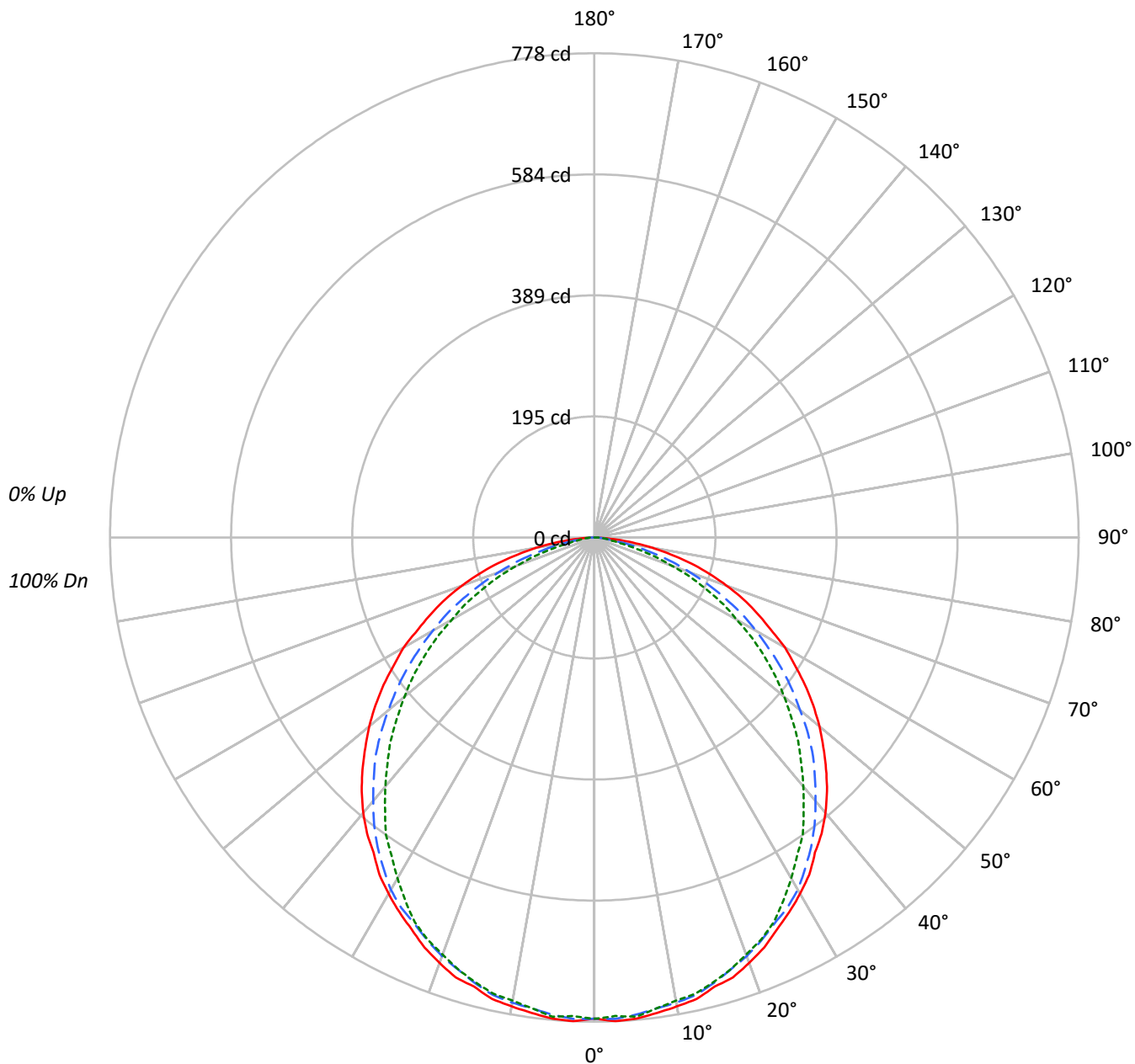
Lumens per Lamp: N/A
Luminaire Lumens: 2059.9 lumens
Efficiency: N/A
Efficacy: 137.3 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 15
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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72		
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	56	68	61	56	66	60	55	64	58	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	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31		
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	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°	73.3	3.6
10°-20°	209.8	10.2
20°-30°	316.9	15.4
30°-40°	376.7	18.3
40°-50°	382.1	18.5
50°-60°	331.8	16.1
60°-70°	235.5	11.4
70°-80°	112.5	5.5
80°-90°	21.3	1.0
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°	599.9	29.1
0°-40°	976.7	47.4
0°-60°	1690.5	82.1
0°-90°	2059.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2059.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	773	773	773	773	773	
5°	776	773	770	772	773	74
15°	747	749	741	740	740	212
25°	695	694	684	687	682	321
35°	618	617	607	586	584	388
45°	526	522	497	471	463	406
55°	413	401	367	345	334	369
65°	289	267	232	207	199	286
75°	161	131	98	77	69	169
85°	31	17	14	14	13	40
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	773.3	773.3	773.3	773.3	773.3
2.5°	777.9	775.2	774.3	777.5	769.7
5°	776.1	773.3	769.7	771.5	772.9
7.5°	770.6	768.3	763.2	767.4	763.2
10°	765.1	762.7	759.1	760.4	755.8
12.5°	759.5	754.0	753.1	754.0	750.8
15°	747.1	748.9	741.1	740.2	739.7
17.5°	741.1	736.5	728.2	728.7	727.7
20°	727.3	721.8	715.8	714.8	713.0
22.5°	713.0	706.6	701.0	703.8	699.6
25°	694.6	693.7	684.4	687.2	682.1
27.5°	678.5	675.2	671.1	665.1	657.7
30°	661.0	657.7	653.6	637.9	632.4
32.5°	642.5	638.8	630.6	612.1	606.1
35°	618.1	617.2	607.1	586.3	583.6
37.5°	599.7	589.6	581.3	560.1	552.3
40°	577.6	572.1	552.7	532.5	522.3
42.5°	553.2	546.7	524.6	503.0	491.9
45°	526.5	521.9	497.0	470.7	462.9
47.5°	498.8	494.7	465.2	439.9	429.7
50°	472.1	467.0	431.6	407.2	398.0
52.5°	443.1	434.8	399.8	375.8	367.1
55°	413.2	400.7	367.1	345.4	333.5
57.5°	381.4	369.9	332.6	310.0	300.3
60°	353.7	337.6	299.4	276.4	263.9
62.5°	318.3	304.5	268.1	240.9	234.9
65°	288.8	267.1	232.1	207.3	199.4
67.5°	258.9	233.5	198.1	172.7	168.6
70°	226.2	199.9	163.5	138.6	131.7
72.5°	193.0	167.2	131.7	105.5	101.3
75°	160.7	131.3	97.6	77.4	68.6
77.5°	125.7	99.0	68.6	47.4	41.9
80°	93.5	66.8	39.6	28.1	27.6
82.5°	61.3	38.7	21.2	21.6	20.7
85°	31.3	16.6	14.3	13.8	13.4
87.5°	6.0	6.4	6.9	6.9	6.9
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° - - - 90°-270°



(END OF REPORT)