

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: P1046818

Luminaire Tested: 22PTR-20-PL1-L850-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046818
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-20-PL1-L850-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

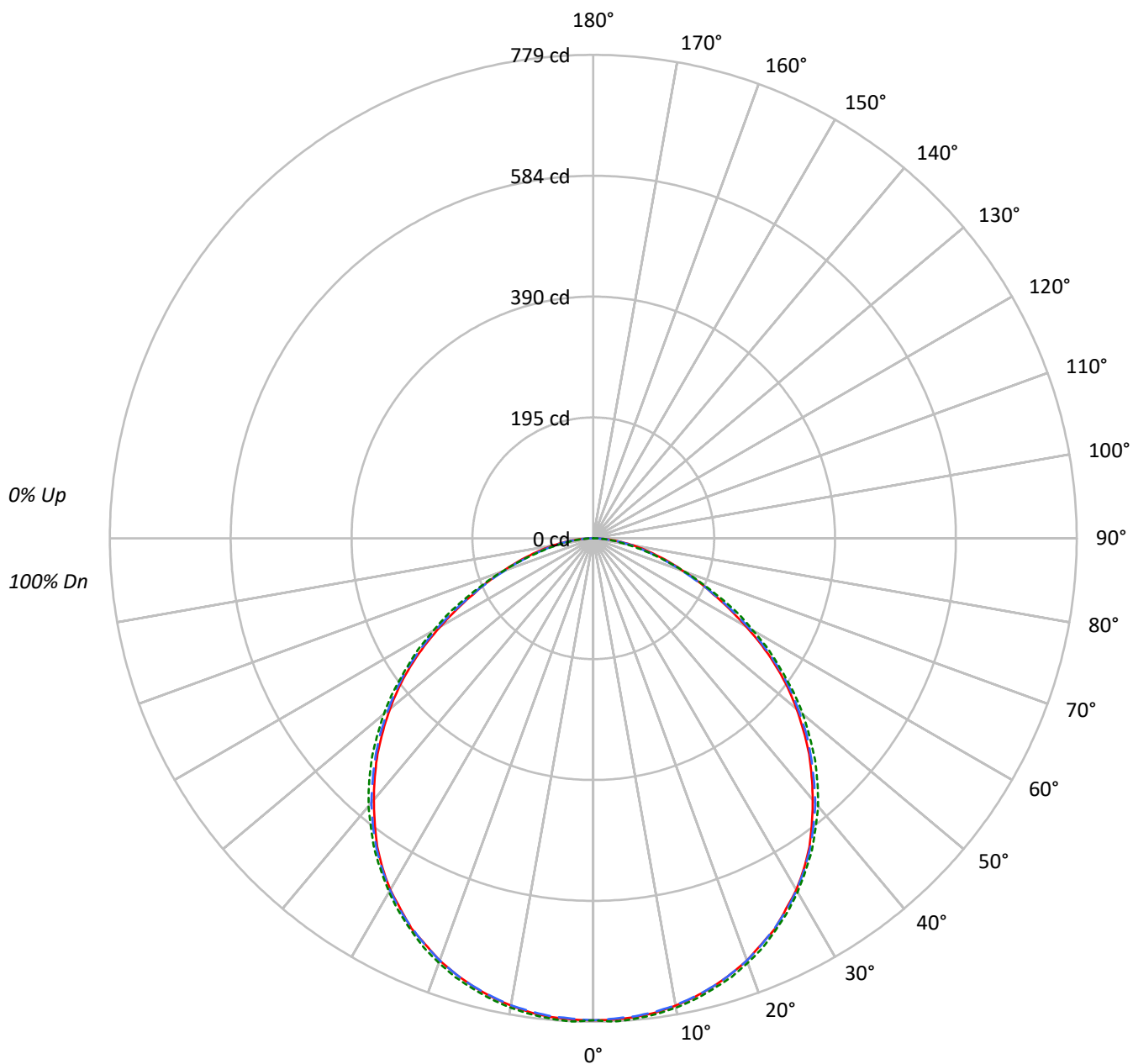
Lumens per Lamp: N/A
Luminaire Lumens: 2047.6 lumens
Efficiency: N/A
Efficacy: 136.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 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	96	98	95	93	94	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61		
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52		
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46		
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40		
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29		
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	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°	73.7	3.6
10°-20°	211.3	10.3
20°-30°	319.7	15.6
30°-40°	381.1	18.6
40°-50°	383.2	18.7
50°-60°	325.2	15.9
60°-70°	216.5	10.6
70°-80°	108.1	5.3
80°-90°	28.9	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°	604.7	29.5
0°-40°	985.8	48.1
0°-60°	1694.1	82.7
0°-90°	2047.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2047.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	777	777	777	777	777	
5°	774	775	773	776	777	74
15°	748	749	747	751	751	211
25°	693	693	692	696	696	319
35°	607	608	609	614	614	379
45°	492	493	496	502	505	378
55°	359	362	365	368	369	320
65°	213	215	216	219	224	214
75°	105	104	99	97	97	113
85°	27	27	25	23	21	32
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	776.8	776.8	776.8	776.8	776.8
2.5°	776.2	776.8	774.7	778.5	779.4
5°	774.5	774.7	773.1	776.5	777.3
7.5°	770.8	771.1	769.3	773.1	773.6
10°	764.7	765.3	763.9	767.3	768.1
12.5°	757.0	757.8	756.3	760.1	760.7
15°	747.7	748.6	747.4	750.6	751.2
17.5°	736.5	737.1	736.5	739.4	741.1
20°	723.8	723.8	723.8	726.4	727.9
22.5°	708.0	709.5	708.8	712.3	713.8
25°	693.4	693.4	692.4	695.7	696.2
27.5°	672.9	675.2	675.0	677.8	678.4
30°	654.2	654.8	655.1	657.1	658.2
32.5°	631.5	632.0	632.9	635.7	636.1
35°	607.0	607.6	609.3	613.6	614.2
37.5°	578.5	581.7	583.1	587.7	588.3
40°	550.0	552.0	556.4	561.2	563.5
42.5°	520.9	523.2	525.8	532.4	534.5
45°	491.8	492.7	495.9	502.5	505.4
47.5°	459.6	462.2	465.1	470.8	472.6
50°	427.4	430.2	432.0	437.1	440.6
52.5°	394.9	397.5	399.5	402.6	406.1
55°	359.2	361.7	365.0	368.4	369.3
57.5°	322.9	325.8	327.9	331.5	335.3
60°	284.0	287.3	290.1	293.6	297.3
62.5°	247.9	249.2	252.1	257.9	263.3
65°	213.2	215.0	215.5	218.8	224.2
67.5°	184.5	184.5	181.9	183.0	189.1
70°	154.3	153.1	151.1	150.0	154.9
72.5°	129.8	128.3	124.0	122.0	124.7
75°	105.3	103.8	99.2	96.9	97.3
77.5°	84.6	82.3	78.5	74.6	73.7
80°	64.2	63.3	59.6	55.8	52.9
82.5°	45.5	43.5	41.4	39.1	36.8
85°	27.3	26.8	24.8	23.3	21.3
87.5°	11.2	11.2	10.7	10.0	9.5
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)