

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: P1046813

Luminaire Tested: 22PTR-20-PL1-L840-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046813
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-L840-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

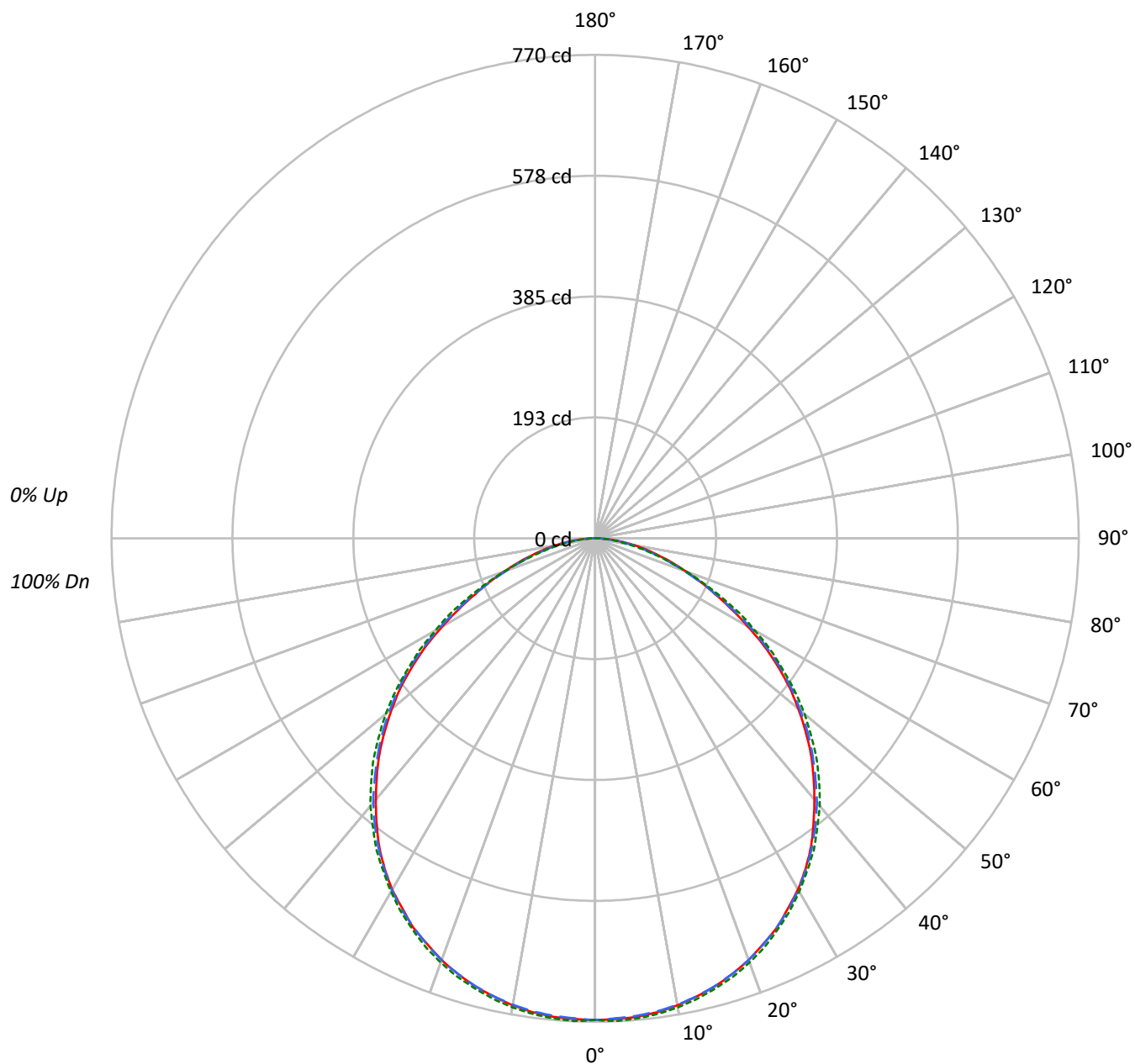
Lumens per Lamp: N/A
Luminaire Lumens: 2022.5 lumens
Efficiency: N/A
Efficacy: 134.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 15
Input Voltage (V): 120
Input Current (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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	109	105	101	97	107	103	99	96		98	95	93			94	92	90			91
2	100	92	86	80	97	90	84	79		87	82	77			83	79	75			80
3	91	81	73	67	89	80	72	66		77	70	65			74	69	64			71
4	84	72	64	57	82	71	63	57		68	61	56			66	60	55			64
5	77	65	56	49	75	64	55	49		61	54	49			60	53	48			58
6	71	58	50	43	69	57	49	43		56	48	43			54	47	42			52
7	66	53	44	38	65	52	44	38		51	43	38			49	43	38			48
8	62	48	40	34	60	48	40	34		46	39	34			45	39	34			44
9	58	44	36	31	56	44	36	31		43	36	31			42	35	30			41
10	54	41	33	28	53	41	33	28		40	33	28			39	32	28			38

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°	72.8	3.6
10°-20°	208.7	10.3
20°-30°	315.7	15.6
30°-40°	376.4	18.6
40°-50°	378.5	18.7
50°-60°	321.2	15.9
60°-70°	213.9	10.6
70°-80°	106.8	5.3
80°-90°	28.6	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°	597.3	29.5
0°-40°	973.6	48.1
0°-60°	1673.3	82.7
0°-90°	2022.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2022.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	767	767	767	767	767	
5°	765	765	764	767	768	73
15°	738	739	738	741	742	208
25°	685	685	684	687	688	315
35°	600	600	602	606	607	374
45°	486	487	490	496	499	374
55°	355	357	360	364	365	316
65°	211	212	213	216	222	211
75°	104	103	98	96	96	112
85°	27	26	24	23	21	31
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	767.3	767.3	767.3	767.3	767.3
2.5°	766.6	767.3	765.2	768.9	769.8
5°	765.0	765.2	763.5	766.9	767.8
7.5°	761.3	761.6	759.8	763.5	764.1
10°	755.3	755.9	754.4	757.9	758.7
12.5°	747.6	748.5	747.0	750.7	751.3
15°	738.5	739.4	738.2	741.3	741.9
17.5°	727.4	728.0	727.4	730.3	731.9
20°	714.9	714.9	714.9	717.5	718.9
22.5°	699.3	700.7	700.1	703.5	705.0
25°	684.8	684.8	683.9	687.1	687.6
27.5°	664.6	666.9	666.6	669.4	670.1
30°	646.1	646.7	647.0	649.0	650.1
32.5°	623.7	624.2	625.1	627.9	628.2
35°	599.5	600.1	601.8	606.0	606.6
37.5°	571.4	574.5	576.0	580.5	581.0
40°	543.2	545.2	549.5	554.3	556.5
42.5°	514.5	516.8	519.4	525.9	527.9
45°	485.8	486.6	489.8	496.3	499.2
47.5°	454.0	456.6	459.3	465.0	466.8
50°	422.2	424.9	426.7	431.8	435.2
52.5°	390.0	392.6	394.6	397.7	401.1
55°	354.8	357.3	360.5	363.9	364.7
57.5°	319.0	321.8	323.8	327.4	331.2
60°	280.5	283.7	286.5	289.9	293.7
62.5°	244.8	246.1	249.0	254.7	260.1
65°	210.6	212.4	212.9	216.1	221.5
67.5°	182.2	182.2	179.6	180.8	186.8
70°	152.4	151.2	149.3	148.1	153.0
72.5°	128.2	126.7	122.5	120.5	123.1
75°	104.0	102.6	98.0	95.8	96.1
77.5°	83.6	81.3	77.6	73.6	72.8
80°	63.4	62.5	58.9	55.2	52.3
82.5°	44.9	43.0	40.9	38.6	36.4
85°	27.0	26.4	24.5	23.0	21.1
87.5°	11.1	11.1	10.5	9.9	9.4
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)