

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: P1046687

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

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046687
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-L840-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

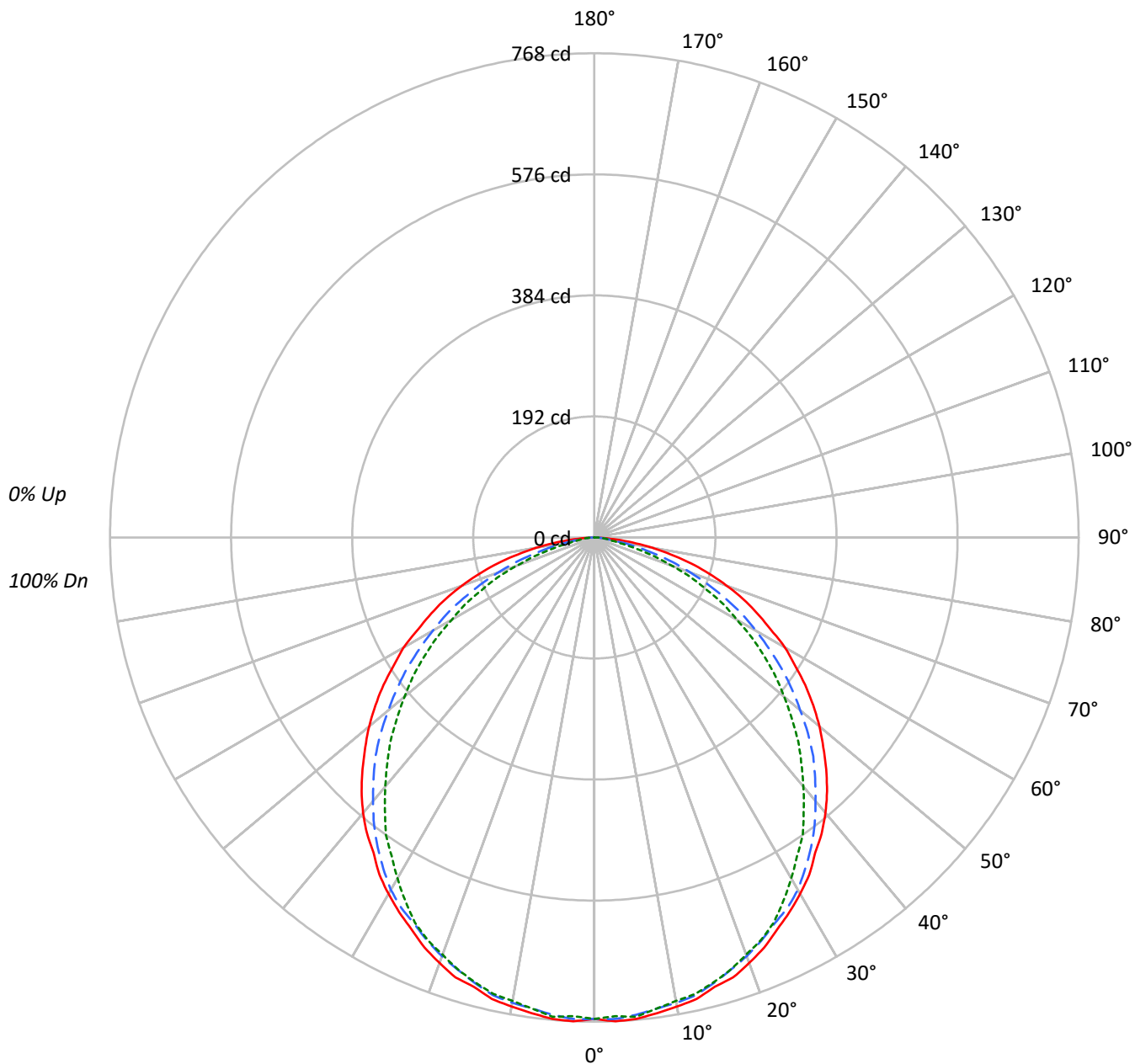
Lumens per Lamp: N/A
Luminaire Lumens: 2034.2 lumens
Efficiency: N/A
Efficacy: 135.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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°	72.4	3.6
10°-20°	207.1	10.2
20°-30°	312.9	15.4
30°-40°	372.0	18.3
40°-50°	377.3	18.5
50°-60°	327.6	16.1
60°-70°	232.6	11.4
70°-80°	111.1	5.5
80°-90°	21.1	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°	592.4	29.1
0°-40°	964.5	47.4
0°-60°	1669.4	82.1
0°-90°	2034.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2034.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	764	764	764	764	764	
5°	766	764	760	762	763	73
15°	738	740	732	731	730	209
25°	686	685	676	679	674	317
35°	610	610	600	579	576	384
45°	520	515	491	465	457	401
55°	408	396	362	341	329	365
65°	285	264	229	205	197	282
75°	159	130	96	76	68	166
85°	31	16	14	14	13	39
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	763.7	763.7	763.7	763.7	763.7
2.5°	768.2	765.5	764.6	767.8	760.0
5°	766.4	763.7	760.0	761.9	763.2
7.5°	761.0	758.7	753.7	757.8	753.7
10°	755.5	753.2	749.6	751.0	746.4
12.5°	750.0	744.6	743.7	744.6	741.4
15°	737.8	739.6	731.8	730.9	730.5
17.5°	731.8	727.3	719.1	719.6	718.7
20°	718.2	712.7	706.8	705.9	704.1
22.5°	704.1	697.7	692.3	695.0	690.9
25°	685.9	685.0	675.9	678.6	673.6
27.5°	670.0	666.8	662.7	656.8	649.5
30°	652.7	649.5	645.4	630.0	624.5
32.5°	634.5	630.9	622.7	604.5	598.6
35°	610.4	609.5	599.5	579.0	576.3
37.5°	592.2	582.2	574.0	553.1	545.4
40°	570.4	564.9	545.8	525.8	515.8
42.5°	546.3	539.9	518.1	496.7	485.8
45°	519.9	515.3	490.8	464.9	457.1
47.5°	492.6	488.5	459.4	434.4	424.4
50°	466.2	461.2	426.2	402.1	393.0
52.5°	437.6	429.4	394.8	371.2	362.5
55°	408.0	395.7	362.5	341.1	329.3
57.5°	376.6	365.2	328.4	306.1	296.6
60°	349.3	333.4	295.6	272.9	260.6
62.5°	314.3	300.7	264.7	237.9	232.0
65°	285.2	263.8	229.2	204.7	196.9
67.5°	255.6	230.6	195.6	170.6	166.5
70°	223.3	197.4	161.5	136.9	130.1
72.5°	190.6	165.1	130.1	104.2	100.1
75°	158.7	129.6	96.4	76.4	67.8
77.5°	124.2	97.8	67.8	46.8	41.4
80°	92.3	66.0	39.1	27.7	27.3
82.5°	60.5	38.2	20.9	21.4	20.5
85°	30.9	16.4	14.1	13.6	13.2
87.5°	5.9	6.4	6.8	6.8	6.8
90°	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report







— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)