

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: P1046855

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

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046855
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-20-PLG-L840-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

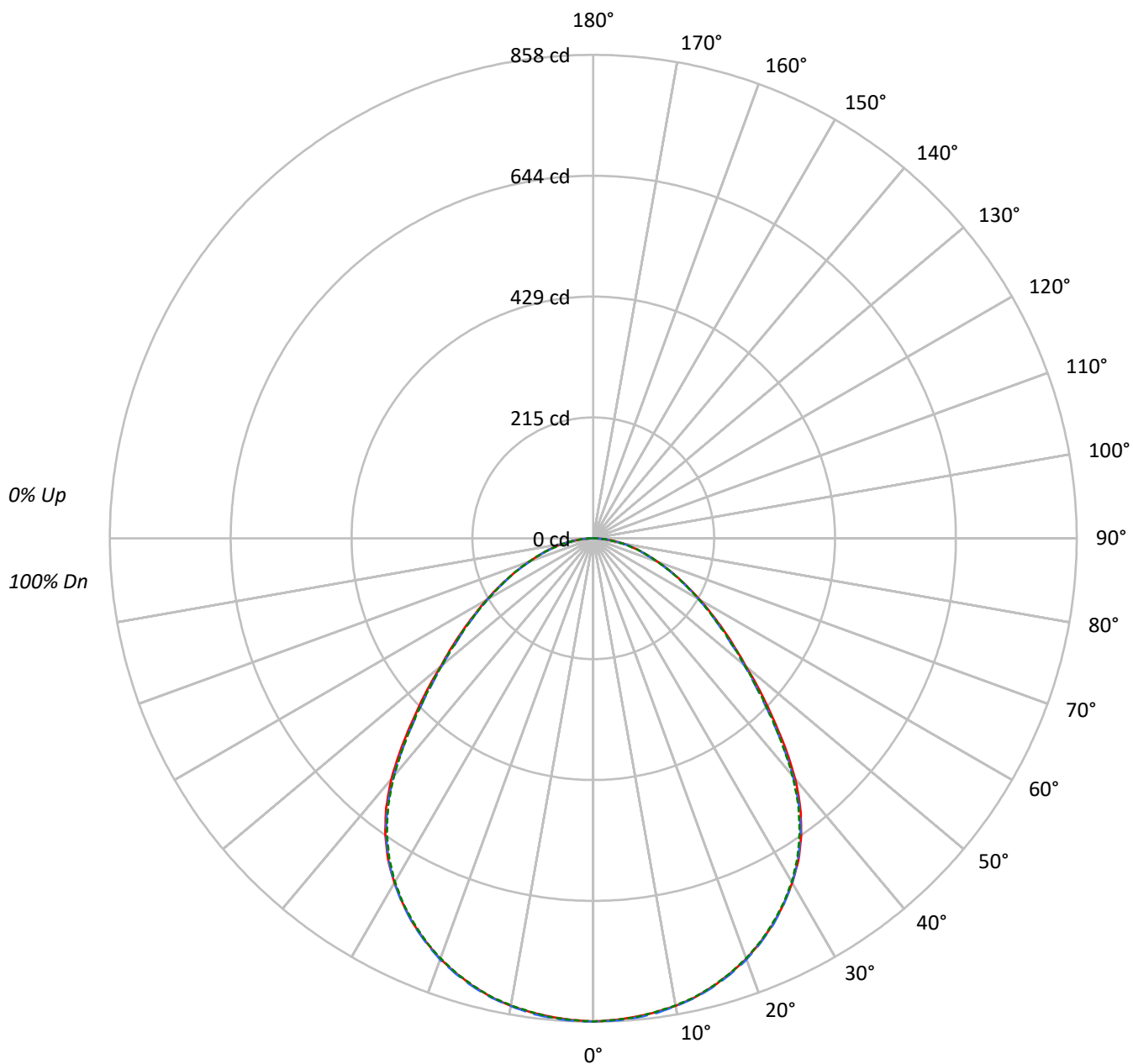
Lumens per Lamp: N/A
Luminaire Lumens: 1932.5 lumens
Efficiency: N/A
Efficacy: 128.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86		
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74		
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64		
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56		
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49		
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43		
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39		
8	64	51	43	38	62	51	43	38	49	42	37	48	42	37	47	41	37	35		
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32		
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29		

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°	81.2	4.2
10°-20°	232.3	12.0
20°-30°	347.6	18.0
30°-40°	398.3	20.6
40°-50°	344.5	17.8
50°-60°	249.3	12.9
60°-70°	164.2	8.5
70°-80°	89.4	4.6
80°-90°	25.6	1.3
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°	661.2	34.2
0°-40°	1059.5	54.8
0°-60°	1653.3	85.6
0°-90°	1932.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1932.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	858	858	858	858	858	
5°	853	855	855	855	853	81
15°	823	824	824	825	822	232
25°	755	755	756	757	754	347
35°	643	643	642	641	638	400
45°	450	449	442	442	444	348
55°	280	279	276	274	276	252
65°	166	167	164	163	165	165
75°	85	85	83	83	85	90
85°	22	22	22	23	20	26
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	857.6	857.6	857.6	857.6	857.6
2.5°	855.8	857.6	857.0	857.6	855.8
5°	852.8	854.6	854.6	854.6	853.4
7.5°	848.5	849.7	850.3	850.9	847.9
10°	842.4	843.6	843.0	844.2	841.8
12.5°	834.5	834.5	835.1	836.3	833.9
15°	822.9	823.5	824.2	825.4	822.3
17.5°	809.5	810.2	810.8	811.4	808.9
20°	794.3	794.3	795.5	796.2	793.1
22.5°	775.5	775.5	776.7	778.5	774.9
25°	755.4	755.4	756.0	756.6	753.5
27.5°	731.6	731.6	732.2	734.1	730.4
30°	706.1	705.5	706.1	706.7	704.2
32.5°	677.5	676.9	676.2	676.9	673.8
35°	643.4	642.8	641.6	640.9	638.5
37.5°	603.8	602.6	600.2	600.2	597.7
40°	557.6	554.5	551.5	550.2	549.6
42.5°	504.0	501.6	497.3	496.7	496.7
45°	449.8	448.6	442.5	441.9	444.3
47.5°	401.1	398.1	392.6	391.4	395.0
50°	353.0	353.6	348.8	346.9	350.6
52.5°	315.3	314.1	309.8	308.6	311.6
55°	280.0	278.8	275.7	273.9	276.3
57.5°	247.7	247.1	244.1	243.5	244.7
60°	218.5	217.9	215.5	214.9	215.5
62.5°	191.1	191.1	188.7	187.5	189.3
65°	165.6	166.8	164.3	163.1	165.0
67.5°	142.4	143.6	141.2	140.0	142.4
70°	120.5	121.7	119.3	118.1	120.5
72.5°	101.6	102.3	100.4	99.8	102.9
75°	84.6	84.6	83.4	83.4	84.6
77.5°	68.8	68.2	67.6	67.6	66.3
80°	53.0	52.3	52.3	52.3	50.5
82.5°	37.7	36.5	37.1	37.7	34.7
85°	22.5	22.5	22.5	23.1	20.1
87.5°	9.1	9.1	8.5	9.1	7.9
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° - - - 90°-270°

(END OF REPORT)