

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: P1046772

Luminaire Tested: 22PTR-25-PC3-L840-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046772
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-25-PC3-L840-UNV-STD-W
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

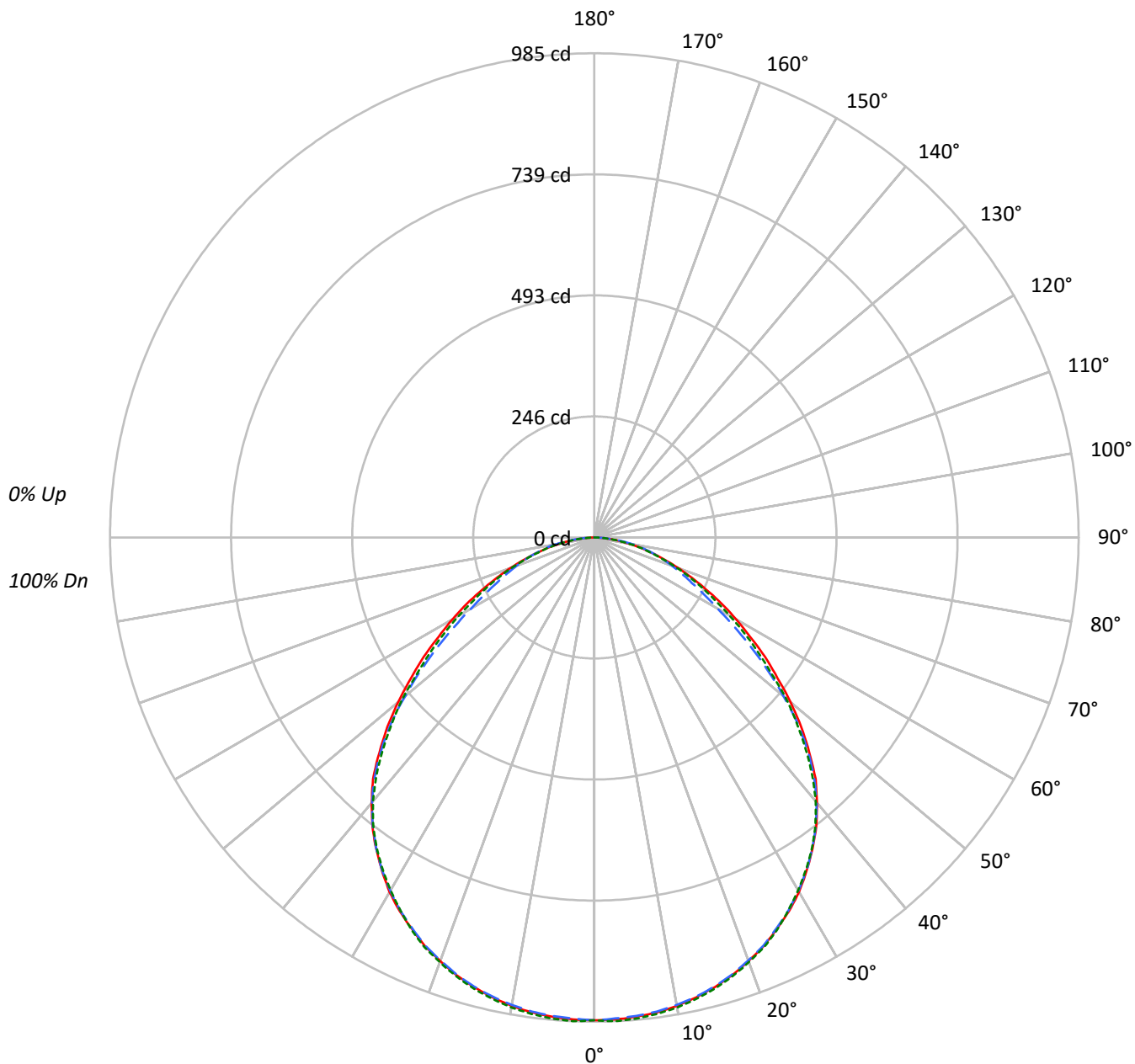
Lumens per Lamp: N/A
Luminaire Lumens: 2476.4 lumens
Efficiency: N/A
Efficacy: 130.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 19
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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72		
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27		

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°	93.2	3.8
10°-20°	267.4	10.8
20°-30°	404.9	16.3
30°-40°	482.7	19.5
40°-50°	471.6	19.0
50°-60°	360.6	14.6
60°-70°	231.5	9.3
70°-80°	128.8	5.2
80°-90°	35.6	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°	765.5	30.9
0°-40°	1248.2	50.4
0°-60°	2080.4	84.0
0°-90°	2476.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2476.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	982	982	982	982	982	
5°	979	980	977	982	983	93
15°	947	948	946	949	950	267
25°	878	879	877	880	880	405
35°	774	774	773	772	772	483
45°	618	620	614	612	608	476
55°	424	409	389	394	407	379
65°	252	232	219	226	241	251
75°	121	122	123	121	118	129
85°	26	31	31	30	26	32
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	982.3	982.3	982.3	982.3	982.3
2.5°	981.6	982.0	979.5	983.7	985.1
5°	978.8	979.5	977.0	981.6	982.6
7.5°	974.6	975.2	972.8	977.4	977.8
10°	967.6	968.0	965.8	970.4	971.0
12.5°	958.1	959.2	956.7	960.9	961.2
15°	946.8	947.5	945.8	948.9	950.0
17.5°	933.5	933.9	932.1	935.5	935.9
20°	916.9	916.9	915.5	919.5	919.5
22.5°	900.1	899.0	898.7	900.1	902.2
25°	878.4	879.4	877.0	879.8	880.4
27.5°	857.3	857.3	855.1	856.5	854.7
30°	833.0	831.6	830.2	830.5	828.8
32.5°	803.8	803.8	803.2	803.2	801.0
35°	773.7	774.3	772.9	772.5	771.5
37.5°	741.3	742.4	739.9	739.2	738.5
40°	704.4	704.4	703.3	701.9	700.2
42.5°	666.1	666.1	661.6	658.0	655.6
45°	618.3	619.7	613.7	612.3	607.5
47.5°	570.8	569.8	561.8	560.8	558.0
50°	520.3	514.3	502.8	505.9	508.4
52.5°	469.8	462.3	445.5	448.9	453.2
55°	423.7	409.0	389.3	394.2	406.8
57.5°	375.5	355.9	336.2	345.4	361.1
60°	333.0	311.0	289.5	299.3	317.6
62.5°	292.3	268.8	251.6	261.0	276.5
65°	251.6	232.2	218.9	226.2	241.4
67.5°	214.3	201.3	192.2	195.7	207.9
70°	180.6	172.5	167.6	168.6	175.6
72.5°	148.6	146.5	144.8	144.8	145.4
75°	120.9	121.9	122.9	121.3	118.5
77.5°	95.2	98.7	101.2	97.7	94.2
80°	70.0	75.6	78.8	74.8	69.6
82.5°	47.7	54.1	55.1	52.7	46.7
85°	26.3	30.9	31.3	30.3	26.3
87.5°	9.8	11.6	12.6	11.6	10.2
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)