

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: P1046814

Luminaire Tested: 22PTR-25-PL1-L840-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046814
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-25-PL1-L840-UNV-STD-W
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

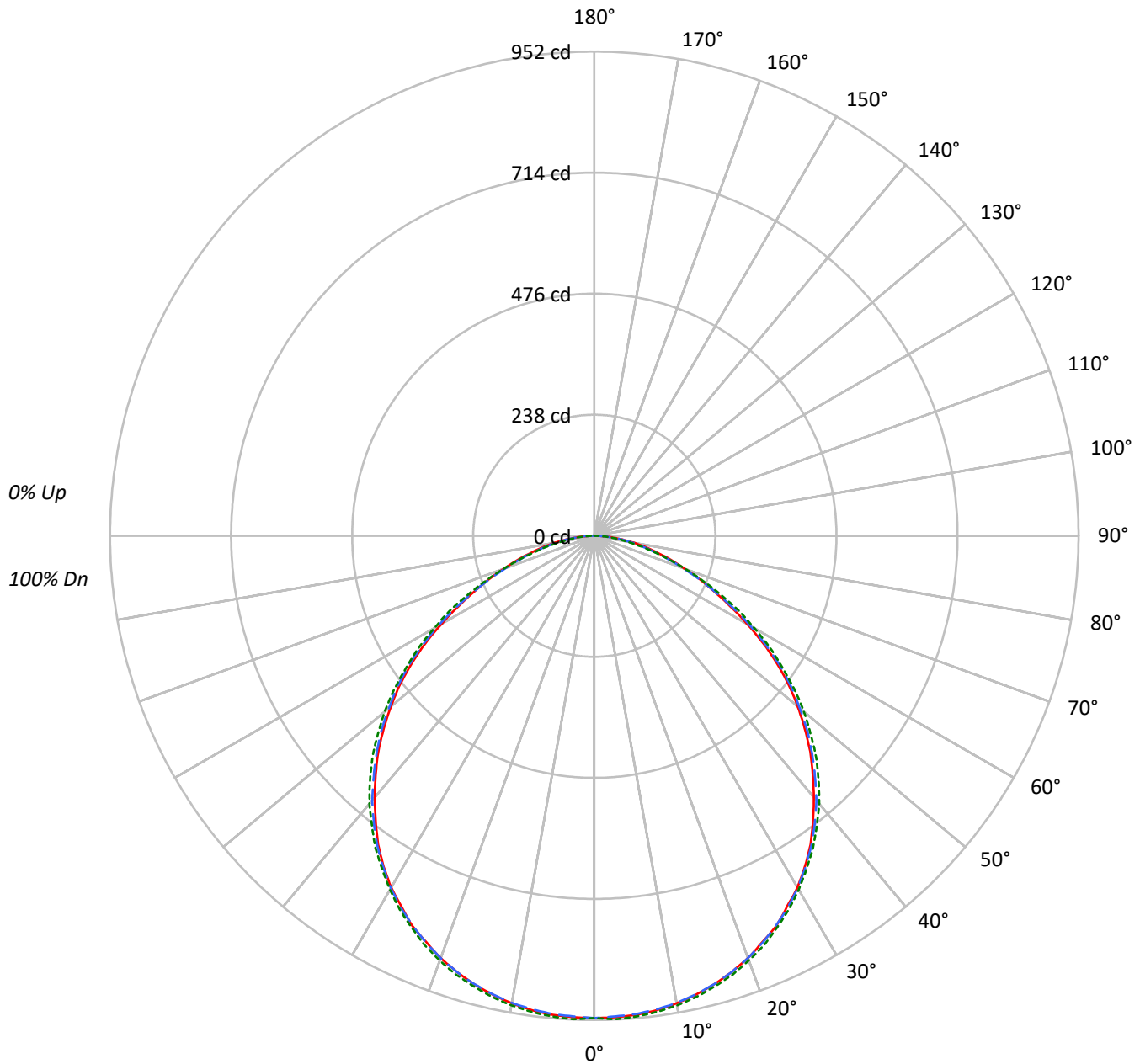
Lumens per Lamp: N/A
Luminaire Lumens: 2499.7 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 19
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

TEST NUMBER: P1046814

CATALOG NUMBER: 22PTR-25-PL1-L840-UNV-STD-W

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: -

TEST NUMBER: P1046814

CATALOG NUMBER: 22PTR-25-PL1-L840-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.0	3.6
10°-20°	258.0	10.3
20°-30°	390.2	15.6
30°-40°	465.2	18.6
40°-50°	467.7	18.7
50°-60°	397.0	15.9
60°-70°	264.3	10.6
70°-80°	132.0	5.3
80°-90°	35.3	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°	738.2	29.5
0°-40°	1203.4	48.1
0°-60°	2068.1	82.7
0°-90°	2499.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2499.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	948	948	948	948	948	
5°	946	946	944	948	949	90
15°	913	914	912	916	917	258
25°	846	846	845	849	850	389
35°	741	742	744	749	750	462
45°	600	601	605	613	617	462
55°	438	442	446	450	451	391
65°	260	262	263	267	274	261
75°	129	127	121	118	119	138
85°	33	33	30	28	26	39
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	948.3	948.3	948.3	948.3	948.3
2.5°	947.5	948.3	945.8	950.3	951.5
5°	945.5	945.8	943.7	947.9	948.9
7.5°	940.9	941.3	939.1	943.7	944.3
10°	933.5	934.3	932.5	936.7	937.7
12.5°	924.0	925.1	923.3	927.9	928.6
15°	912.8	913.8	912.4	916.3	917.0
17.5°	899.0	899.8	899.0	902.6	904.6
20°	883.6	883.6	883.6	886.8	888.6
22.5°	864.3	866.1	865.3	869.5	871.3
25°	846.4	846.4	845.3	849.2	849.9
27.5°	821.4	824.2	824.0	827.4	828.2
30°	798.6	799.3	799.7	802.1	803.5
32.5°	770.8	771.5	772.6	776.1	776.5
35°	741.0	741.7	743.8	749.0	749.8
37.5°	706.2	710.1	711.9	717.5	718.1
40°	671.4	673.8	679.2	685.1	687.9
42.5°	635.9	638.7	641.9	649.9	652.5
45°	600.4	601.4	605.4	613.4	617.0
47.5°	561.1	564.3	567.7	574.8	576.9
50°	521.8	525.2	527.4	533.6	537.9
52.5°	482.1	485.3	487.7	491.5	495.7
55°	438.5	441.6	445.6	449.8	450.8
57.5°	394.2	397.7	400.2	404.7	409.3
60°	346.7	350.7	354.1	358.4	363.0
62.5°	302.6	304.2	307.8	314.8	321.5
65°	260.3	262.5	263.1	267.1	273.7
67.5°	225.2	225.2	222.0	223.4	230.8
70°	188.3	186.9	184.5	183.1	189.1
72.5°	158.4	156.6	151.4	149.0	152.2
75°	128.6	126.8	121.2	118.3	118.7
77.5°	103.3	100.5	95.9	91.0	90.0
80°	78.4	77.2	72.8	68.2	64.6
82.5°	55.5	53.1	50.6	47.7	44.9
85°	33.3	32.7	30.3	28.5	26.0
87.5°	13.7	13.7	13.0	12.3	11.6
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)