

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: P1046856

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

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046856
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-25-PLG-L840-UNV-STD-W
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

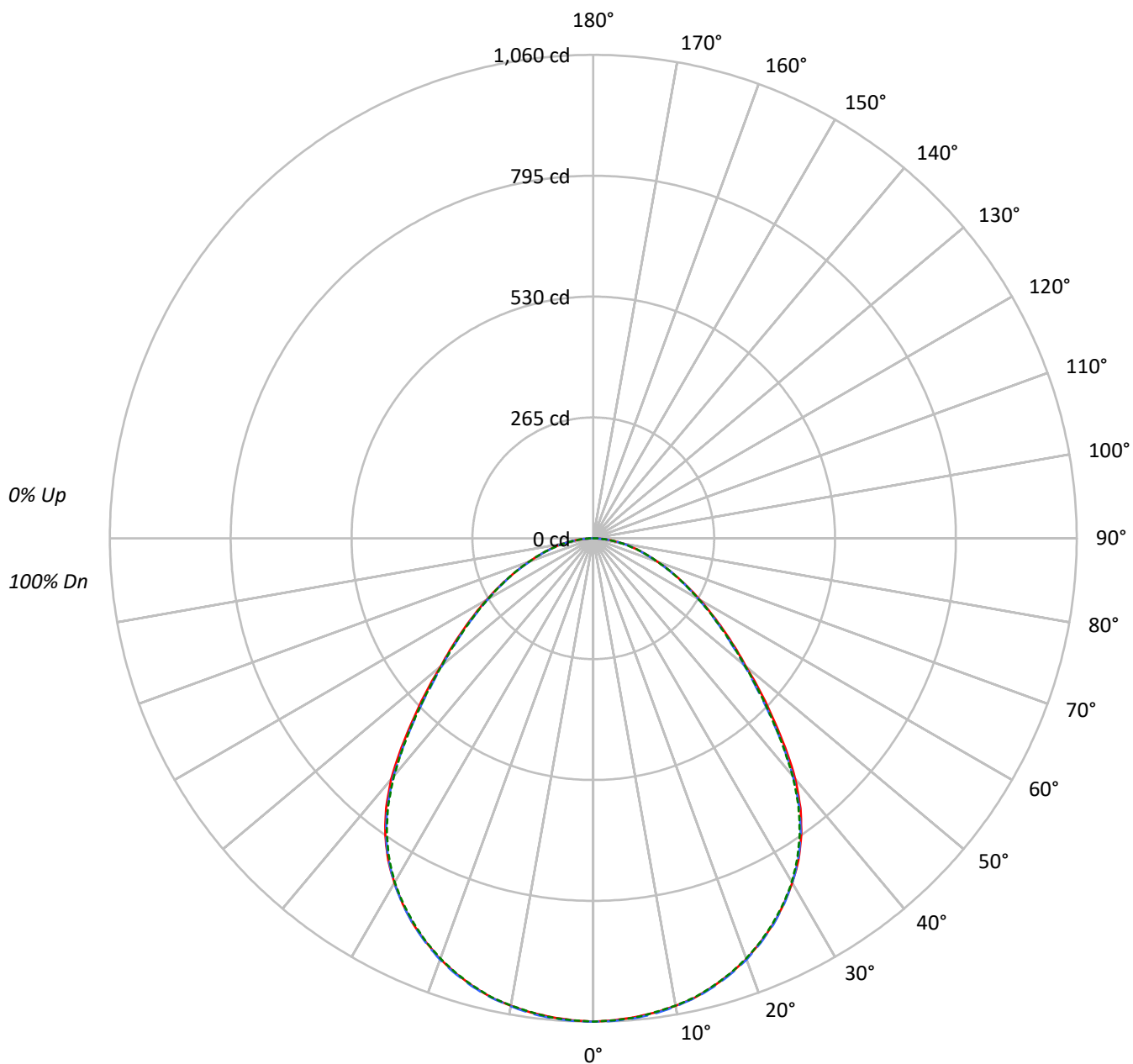
Lumens per Lamp: N/A
Luminaire Lumens: 2388.3 lumens
Efficiency: N/A
Efficacy: 125.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 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

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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
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	110	106	102	98		107	103	100	97		99	96	94		95	93	91		92	90	88
2	101	94	87	82		99	92	86	81		88	84	79		85	81	78		82	79	76
3	93	83	76	70		91	82	75	69		79	73	68		76	71	67		74	69	66
4	86	75	67	60		84	73	66	60		71	64	59		69	63	58		67	62	58
5	79	67	59	53		77	66	58	53		64	57	52		62	56	51		61	55	51
6	74	61	53	47		72	60	52	47		58	51	46		57	51	46		55	50	45
7	69	56	48	42		67	55	47	42		54	46	41		52	46	41		51	45	41
8	64	51	43	38		62	51	43	38		49	42	37		48	42	37		47	41	37
9	60	47	39	34		59	47	39	34		46	39	34		44	38	34		43	38	34
10	56	44	36	31		55	43	36	31		42	36	31		41	35	31		40	35	31

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°	100.4	4.2
10°-20°	287.1	12.0
20°-30°	429.7	18.0
30°-40°	492.3	20.6
40°-50°	425.7	17.8
50°-60°	308.1	12.9
60°-70°	202.9	8.5
70°-80°	110.5	4.6
80°-90°	31.7	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°	817.2	34.2
0°-40°	1309.4	54.8
0°-60°	2043.3	85.6
0°-90°	2388.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2388.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1060	1060	1060	1060	1060	
5°	1054	1056	1056	1056	1055	100
15°	1017	1018	1019	1020	1016	287
25°	934	934	934	935	931	429
35°	795	794	793	792	789	494
45°	556	554	547	546	549	430
55°	346	344	341	338	342	311
65°	205	206	203	202	204	204
75°	105	105	103	103	105	111
85°	28	28	28	29	25	32
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1059.9	1059.9	1059.9	1059.9	1059.9
2.5°	1057.7	1059.9	1059.2	1059.9	1057.7
5°	1053.9	1056.2	1056.2	1056.2	1054.7
7.5°	1048.7	1050.2	1050.9	1051.7	1047.9
10°	1041.1	1042.6	1041.9	1043.4	1040.4
12.5°	1031.4	1031.4	1032.1	1033.6	1030.6
15°	1017.1	1017.8	1018.6	1020.1	1016.3
17.5°	1000.5	1001.3	1002.0	1002.8	999.8
20°	981.7	981.7	983.2	984.0	980.2
22.5°	958.4	958.4	959.9	962.1	957.6
25°	933.6	933.6	934.3	935.1	931.3
27.5°	904.2	904.2	905.0	907.2	902.7
30°	872.6	871.9	872.6	873.4	870.4
32.5°	837.3	836.5	835.8	836.5	832.8
35°	795.1	794.4	792.9	792.1	789.1
37.5°	746.2	744.7	741.7	741.7	738.7
40°	689.1	685.3	681.6	680.0	679.3
42.5°	622.9	619.9	614.6	613.8	613.8
45°	555.9	554.4	546.9	546.1	549.2
47.5°	495.7	492.0	485.2	483.7	488.2
50°	436.3	437.1	431.0	428.8	433.3
52.5°	389.7	388.2	382.9	381.4	385.2
55°	346.0	344.5	340.8	338.5	341.5
57.5°	306.2	305.4	301.7	300.9	302.4
60°	270.1	269.3	266.3	265.5	266.3
62.5°	236.2	236.2	233.2	231.7	234.0
65°	204.6	206.1	203.1	201.6	203.9
67.5°	176.0	177.5	174.5	173.0	176.0
70°	148.9	150.5	147.4	145.9	148.9
72.5°	125.6	126.4	124.1	123.4	127.1
75°	104.6	104.6	103.1	103.1	104.6
77.5°	85.0	84.3	83.5	83.5	82.0
80°	65.4	64.7	64.7	64.7	62.4
82.5°	46.6	45.1	45.9	46.6	42.9
85°	27.8	27.8	27.8	28.6	24.8
87.5°	11.3	11.3	10.5	11.3	9.8
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)