

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: P1046898

Luminaire Tested: 22PTR-25-PP3-L840-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046898
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-25-PP3-L840-UNV-STD-W
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

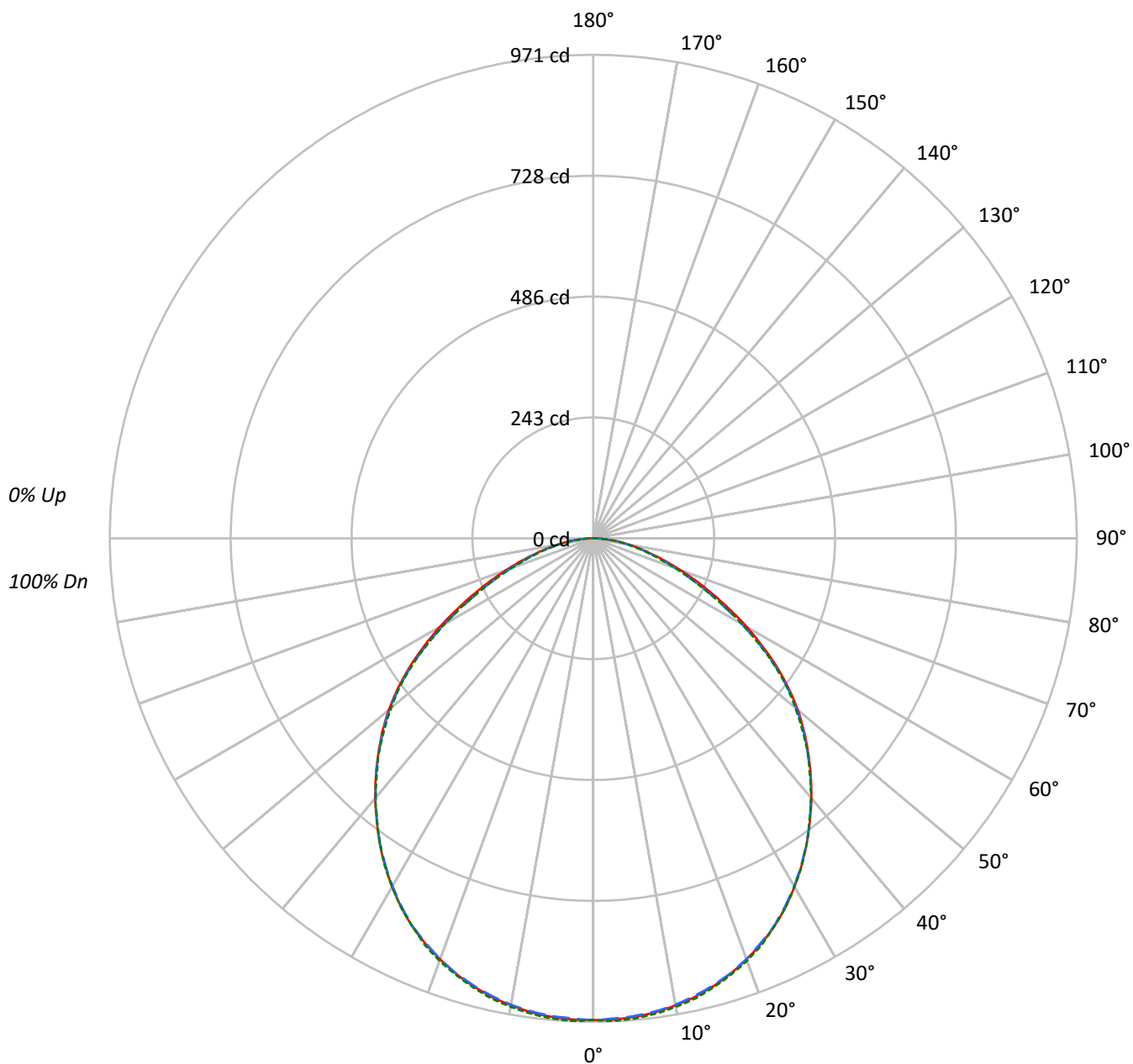
Lumens per Lamp: N/A
Luminaire Lumens: 2500.6 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 19
Input Voltage (V): 120
Input Current (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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	109	105	101	97	107	103	99	96		99	96	93			95	92	90			91
2	100	92	86	80	97	90	84	79		87	82	78			84	79	76			81
3	92	81	74	67	89	80	73	67		77	71	66			74	69	65			72
4	84	73	64	58	82	71	63	57		69	62	56			66	60	56			64
5	77	65	56	50	75	64	56	50		62	55	49			60	54	49			58
6	72	59	50	44	70	58	50	44		56	49	43			54	48	43			53
7	66	53	45	39	65	52	44	39		51	44	38			50	43	38			48
8	62	49	40	35	60	48	40	35		47	39	34			45	39	34			44
9	58	45	37	31	57	44	36	31		43	36	31			42	35	31			41
10	54	41	34	28	53	41	33	28		40	33	28			39	33	28			38

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°	91.8	3.7
10°-20°	262.9	10.5
20°-30°	395.9	15.8
30°-40°	467.2	18.7
40°-50°	469.9	18.8
50°-60°	396.7	15.9
60°-70°	254.8	10.2
70°-80°	126.7	5.1
80°-90°	34.7	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°	750.6	30.0
0°-40°	1217.8	48.7
0°-60°	2084.4	83.4
0°-90°	2500.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2500.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	968	968	968	968	968	
5°	965	965	963	968	968	92
15°	931	932	930	934	934	263
25°	860	861	859	861	860	396
35°	748	748	747	748	748	467
45°	610	612	608	609	609	471
55°	450	450	445	443	444	401
65°	264	261	251	249	251	264
75°	121	120	117	116	114	131
85°	30	31	31	29	29	35
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	967.8	967.8	967.8	967.8	967.8
2.5°	967.5	967.8	965.3	969.9	970.6
5°	965.0	965.3	962.9	967.5	968.1
7.5°	960.1	960.4	958.3	962.5	963.2
10°	952.6	953.8	951.2	955.2	955.8
12.5°	943.6	944.0	941.4	946.0	946.8
15°	931.3	931.6	929.5	933.8	933.8
17.5°	917.2	917.5	916.1	919.7	919.3
20°	900.1	901.1	899.3	901.7	903.1
22.5°	881.4	881.8	879.6	882.8	884.2
25°	860.4	860.6	859.0	860.6	860.0
27.5°	835.7	836.4	833.9	835.7	836.1
30°	808.3	810.1	806.6	808.0	808.3
32.5°	778.8	779.8	777.4	777.8	779.6
35°	747.9	748.3	746.9	747.5	747.5
37.5°	714.6	716.0	713.8	714.8	713.4
40°	681.5	680.1	679.4	680.1	681.1
42.5°	646.7	647.1	646.0	645.3	643.6
45°	610.2	612.3	608.4	609.1	609.1
47.5°	574.4	574.7	572.6	570.5	569.1
50°	536.1	536.1	533.6	531.9	529.7
52.5°	494.3	493.6	490.8	489.0	490.0
55°	450.3	450.0	445.1	443.3	443.7
57.5°	402.2	403.0	395.6	393.8	393.8
60°	356.3	352.7	344.3	341.8	344.9
62.5°	308.0	303.8	294.7	294.7	297.2
65°	264.5	260.7	251.2	248.7	250.8
67.5°	223.8	220.2	211.5	210.1	210.7
70°	185.1	182.0	176.7	173.5	174.6
72.5°	151.8	149.0	145.4	143.0	141.6
75°	121.1	120.5	116.7	115.5	114.1
77.5°	95.9	95.6	92.4	91.0	89.6
80°	72.0	71.6	71.0	68.8	67.8
82.5°	51.3	51.3	50.9	49.1	48.1
85°	29.9	30.9	30.9	29.1	29.1
87.5°	12.0	12.6	12.0	12.0	11.6
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)