

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: P1192856

Luminaire Tested: 24PT-100-PB1-L950

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192856
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2202-549-7)
Test Lab: INNOVATION CENTER
Issue Date: 10/2/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PT-100-PB1-L950
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

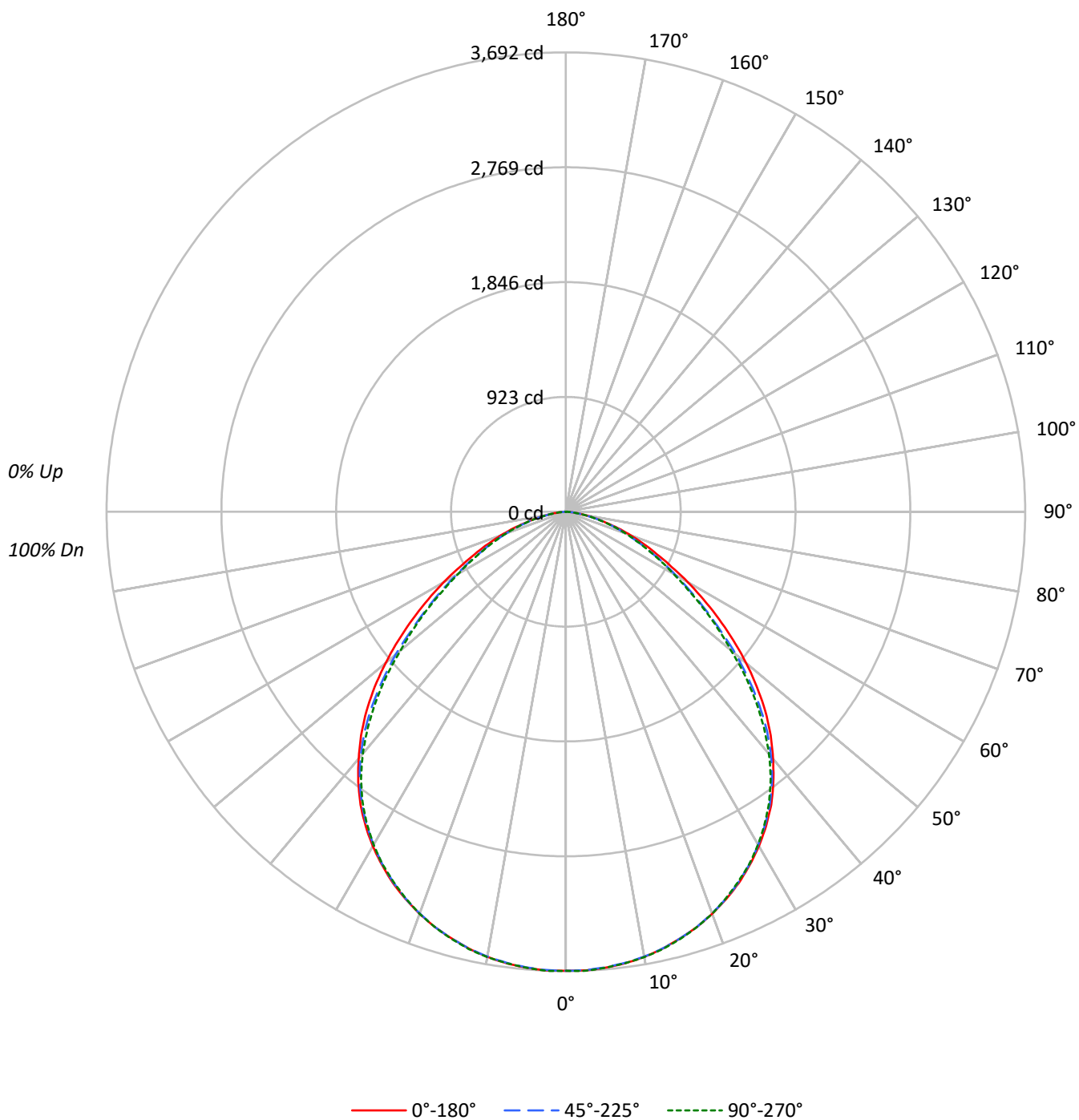
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8761.0 lumens
Efficiency: N/A
Efficacy: 103.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.32
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 85
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
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	110	106	102	99	108	104	100	97	100	97	94		96	93	91		92
2	101	94	88	83	99	92	86	82	88	84	80		85	81	78		82
3	93	83	76	70	91	82	75	69	79	73	68		76	71	67		74
4	86	75	66	60	83	73	66	60	71	64	59		69	63	58		66
5	79	67	59	53	77	66	58	52	64	57	52		62	56	51		60
6	73	61	52	46	71	60	52	46	58	51	46		56	50	45		55
7	68	55	47	41	66	55	47	41	53	46	41		52	45	40		50
8	64	51	43	37	62	50	42	37	49	42	37		47	41	36		46
9	59	47	39	33	58	46	38	33	45	38	33		44	38	33		43
10	56	43	35	30	55	43	35	30	42	35	30		41	34	30		40

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5277	5277	5277
5°	5280	5276	5280
10°	5276	5271	5278
15°	5256	5256	5263
20°	5233	5228	5233
25°	5194	5182	5175
30°	5126	5106	5102
35°	5023	4993	4972
40°	4837	4791	4742
45°	4585	4450	4373
50°	4206	3970	3857
55°	3743	3409	3359
60°	3242	2914	2864
65°	2734	2498	2469
70°	2321	2139	2151
75°	1823	1742	1758
80°	1328	1305	1316
85°	811	858	858

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4585 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	349.5	4.0
10°-20°	1002.1	11.4
20°-30°	1512.7	17.3
30°-40°	1783.7	20.4
40°-50°	1694.8	19.3
50°-60°	1250.6	14.3
60°-70°	754.8	8.6
70°-80°	345.5	3.9
80°-90°	67.4	0.8
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°	2864.2	32.7
0°-40°	4647.9	53.1
0°-60°	7593.2	86.7
0°-90°	8761.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8761.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3690	3690	3690	3690	3690	
5°	3678	3679	3675	3672	3678	350
15°	3550	3551	3550	3548	3554	1002
25°	3291	3290	3284	3278	3280	1515
35°	2877	2873	2860	2848	2848	1794
45°	2267	2251	2200	2170	2162	1741
55°	1501	1440	1367	1335	1347	1344
65°	808	782	738	724	730	812
75°	330	324	315	311	318	360
85°	49	51	52	51	52	67
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3689.5	3689.5	3689.5	3689.5	3689.5
2.5°	3689.5	3689.5	3686.6	3683.7	3692.4
5°	3677.8	3679.3	3674.9	3672.0	3677.8
7.5°	3660.4	3660.4	3656.0	3653.1	3659.0
10°	3632.8	3632.8	3629.9	3628.4	3634.3
12.5°	3596.5	3597.9	3595.0	3593.6	3600.8
15°	3550.0	3551.4	3550.0	3548.5	3554.3
17.5°	3500.6	3502.0	3499.1	3494.8	3500.6
20°	3438.1	3441.0	3435.2	3432.3	3438.1
22.5°	3368.3	3371.2	3365.4	3362.5	3362.5
25°	3291.3	3289.9	3284.0	3278.2	3279.7
27.5°	3201.2	3202.7	3194.0	3188.1	3192.5
30°	3103.9	3105.3	3092.2	3087.9	3089.3
32.5°	2994.9	2993.4	2981.8	2974.5	2974.5
35°	2877.2	2872.8	2859.7	2848.1	2848.1
37.5°	2740.6	2737.7	2723.1	2708.6	2704.3
40°	2590.9	2588.0	2566.2	2547.3	2540.1
42.5°	2436.9	2428.2	2393.3	2364.2	2357.0
45°	2266.9	2250.9	2200.0	2169.5	2162.2
47.5°	2083.8	2063.4	1993.7	1958.8	1955.9
50°	1890.5	1854.2	1784.4	1739.4	1733.6
52.5°	1695.8	1643.5	1563.6	1530.1	1538.9
55°	1501.1	1440.0	1367.4	1335.4	1347.0
57.5°	1312.2	1248.2	1185.7	1153.8	1161.0
60°	1133.4	1078.2	1018.6	992.5	1001.2
62.5°	957.6	922.7	871.9	848.6	860.2
65°	807.9	781.8	738.2	723.7	729.5
67.5°	677.2	656.8	619.0	607.4	616.1
70°	555.1	540.6	511.5	507.1	514.4
72.5°	438.8	430.1	414.1	406.9	411.2
75°	329.9	324.0	315.3	311.0	318.2
77.5°	238.3	234.0	231.0	231.0	232.5
80°	161.3	159.8	158.4	156.9	159.8
82.5°	98.8	98.8	98.8	98.8	100.3
85°	49.4	50.9	52.3	50.9	52.3
87.5°	16.0	17.4	18.9	18.9	20.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)