

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: P1192854

Luminaire Tested: 24PT-100-PB1-L935

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192854
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-L935
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

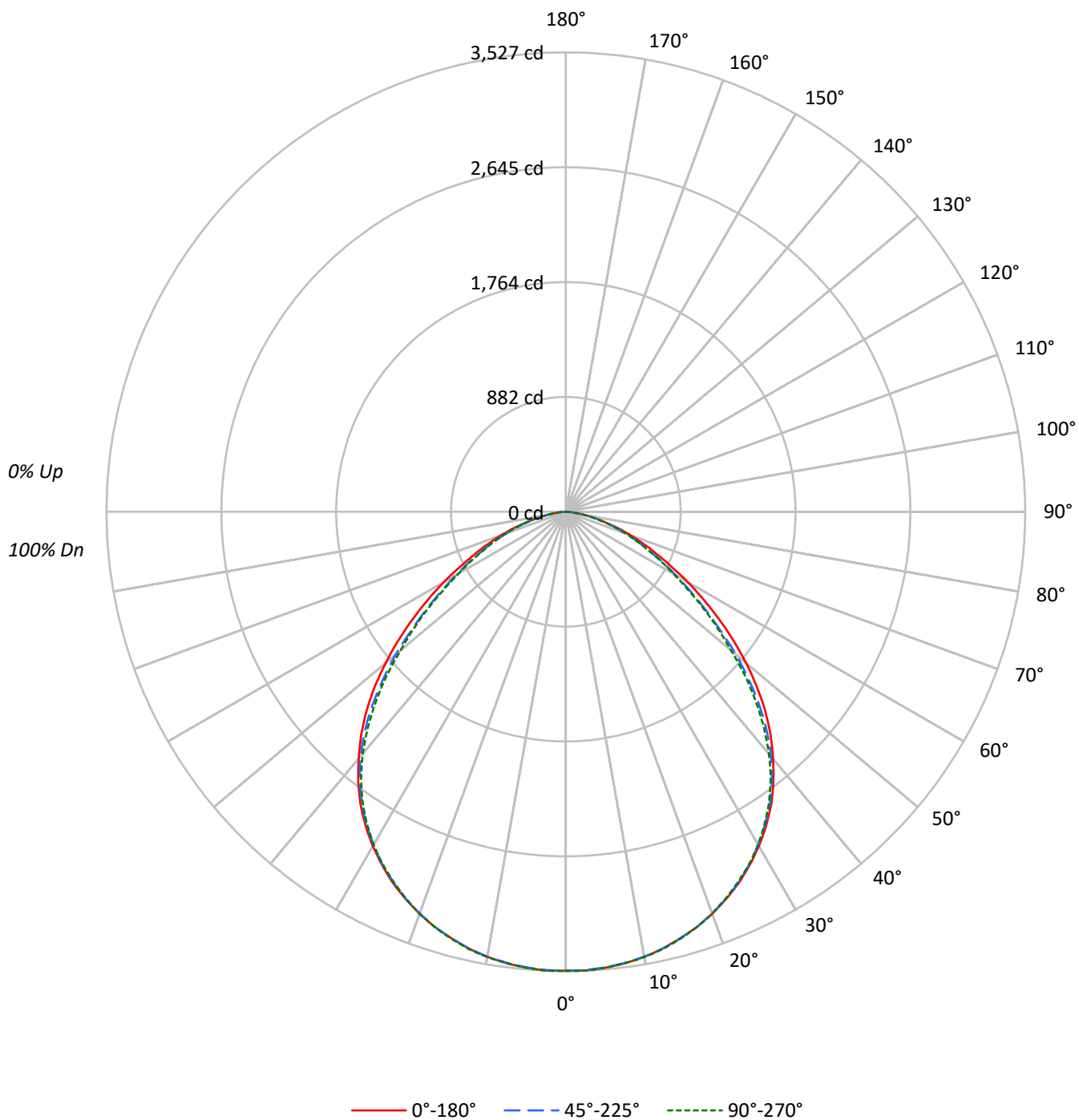
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8369.0 lumens
Efficiency: N/A
Efficacy: 98.5 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°	5040	5040	5040
5°	5044	5040	5044
10°	5040	5036	5042
15°	5021	5021	5027
20°	4998	4994	4998
25°	4961	4950	4944
30°	4896	4878	4873
35°	4798	4769	4750
40°	4621	4577	4530
45°	4380	4251	4178
50°	4018	3793	3684
55°	3575	3257	3209
60°	3097	2783	2736
65°	2612	2386	2358
70°	2217	2043	2055
75°	1741	1664	1680
80°	1269	1246	1258
85°	775	820	820

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4380 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	333.8	4.0
10°-20°	957.2	11.4
20°-30°	1445.0	17.3
30°-40°	1703.9	20.4
40°-50°	1618.9	19.3
50°-60°	1194.6	14.3
60°-70°	721.1	8.6
70°-80°	330.0	3.9
80°-90°	64.4	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°	2736.0	32.7
0°-40°	4439.9	53.1
0°-60°	7253.5	86.7
0°-90°	8369.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8369.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3524	3524	3524	3524	3524	
5°	3513	3515	3510	3508	3513	334
15°	3391	3392	3391	3390	3395	957
25°	3144	3143	3137	3132	3133	1447
35°	2748	2744	2732	2721	2721	1713
45°	2165	2150	2102	2072	2066	1663
55°	1434	1376	1306	1276	1287	1284
65°	772	747	705	691	697	776
75°	315	310	301	297	304	343
85°	47	49	50	49	50	64
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3524.4	3524.4	3524.4	3524.4	3524.4
2.5°	3524.4	3524.4	3521.6	3518.8	3527.2
5°	3513.3	3514.7	3510.5	3507.7	3513.3
7.5°	3496.6	3496.6	3492.5	3489.7	3495.2
10°	3470.3	3470.3	3467.5	3466.1	3471.6
12.5°	3435.6	3436.9	3434.2	3432.8	3439.7
15°	3391.1	3392.5	3391.1	3389.7	3395.3
17.5°	3343.9	3345.3	3342.5	3338.4	3343.9
20°	3284.2	3287.0	3281.5	3278.7	3284.2
22.5°	3217.6	3220.4	3214.8	3212.1	3212.1
25°	3144.0	3142.7	3137.1	3131.6	3132.9
27.5°	3058.0	3059.4	3051.0	3045.5	3049.7
30°	2965.0	2966.4	2953.9	2949.7	2951.1
32.5°	2860.9	2859.5	2848.4	2841.4	2841.4
35°	2748.4	2744.3	2731.8	2720.7	2720.7
37.5°	2618.0	2615.2	2601.3	2587.4	2583.3
40°	2475.0	2472.2	2451.4	2433.3	2426.4
42.5°	2327.8	2319.5	2286.2	2258.4	2251.5
45°	2165.4	2150.2	2101.6	2072.4	2065.5
47.5°	1990.5	1971.1	1904.5	1871.2	1868.4
50°	1805.9	1771.2	1704.6	1661.6	1656.0
52.5°	1619.9	1569.9	1493.6	1461.7	1470.0
55°	1433.9	1375.6	1306.2	1275.7	1286.8
57.5°	1253.5	1192.4	1132.7	1102.2	1109.1
60°	1082.7	1030.0	973.1	948.1	956.4
62.5°	914.8	881.4	832.9	810.7	821.8
65°	771.8	746.8	705.2	691.3	696.8
67.5°	646.9	627.4	591.3	580.2	588.6
70°	530.3	516.4	488.6	484.4	491.4
72.5°	419.2	410.9	395.6	388.7	392.8
75°	315.1	309.5	301.2	297.1	304.0
77.5°	227.6	223.5	220.7	220.7	222.1
80°	154.1	152.7	151.3	149.9	152.7
82.5°	94.4	94.4	94.4	94.4	95.8
85°	47.2	48.6	50.0	48.6	50.0
87.5°	15.3	16.7	18.0	18.0	19.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)