

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: IRiS

Report Number: P1309902

Luminaire Tested: P3SQAS05R259040DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309902
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R259040DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

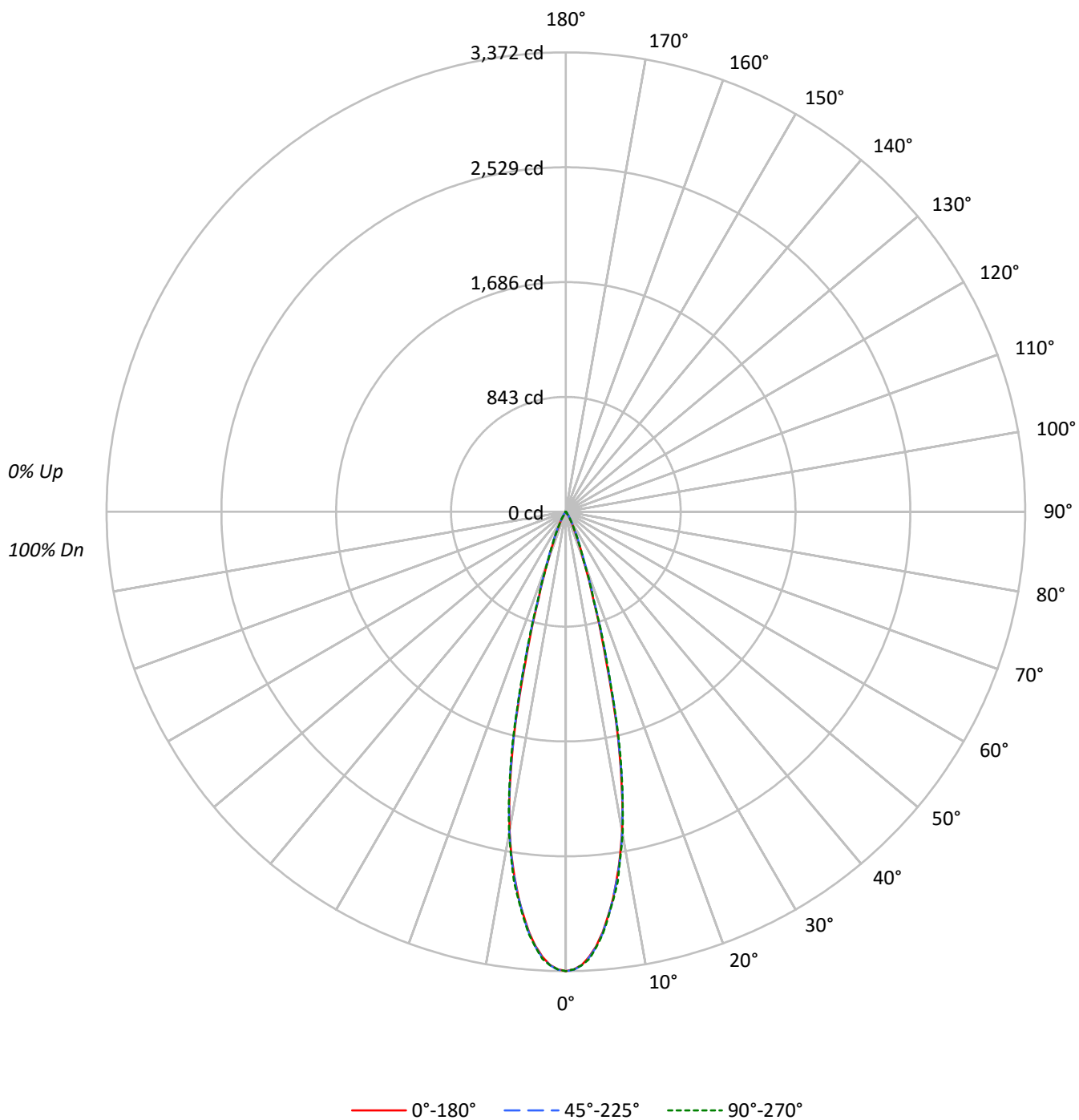
Lumens per Lamp: N/A
Luminaire Lumens: 702.0 lumens
Efficiency: N/A
Efficacy: 97.5 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	115	113	111	110	113	111	110	108	107	106	105		103	103	102		100
2	112	108	105	103	110	107	104	102	104	102	100		101	99	98		98
3	108	104	101	98	107	103	100	97	100	98	96		98	96	94		96
4	105	100	97	94	104	99	96	93	97	95	92		96	93	91		94
5	103	97	93	90	101	96	93	90	95	92	89		93	91	89		92
6	100	94	90	87	99	93	90	87	92	89	87		91	88	86		90
7	97	91	87	85	96	91	87	84	90	86	84		89	86	84		88
8	95	89	85	82	94	88	85	82	87	84	82		87	84	82		86
9	93	86	83	80	92	86	82	80	85	82	80		85	82	80		84
10	91	84	81	78	90	84	80	78	83	80	78		83	80	78		82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	580821	580821	580821
5°	535567	536777	537883
10°	415828	417332	419588
15°	205488	214136	214225
20°	69187	73823	70579
25°	28656	31829	29473
30°	11236	14139	11355
35°	2943	5782	3049
40°	1079	2293	1079
45°	122	658	122
50°	0	134	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 658 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.3	38.9
10°-20°	330.5	47.1
20°-30°	80.7	11.5
30°-40°	15.7	2.2
40°-50°	1.8	0.3
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	684.5	97.5
0°-40°	700.2	99.7
0°-60°	702.0	100.0
0°-90°	702.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	702.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3372	3372	3372	3372	3372	
5°	3098	3102	3105	3118	3111	272
15°	1152	1180	1201	1213	1202	325
25°	151	159	168	160	155	77
35°	14	20	28	20	14	12
45°	0	2	3	2	0	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3372.5	3372.5	3372.5	3372.5	3372.5
1°	3359.6	3361.8	3362.3	3365.5	3359.1
2°	3328.9	3329.4	3331.1	3337.5	3331.6
3°	3272.3	3276.1	3276.7	3285.3	3286.9
4°	3195.3	3197.5	3201.8	3216.3	3203.4
5°	3097.9	3102.2	3104.9	3118.3	3111.3
6°	2977.2	2978.3	2984.2	2999.8	2990.1
7°	2854.4	2853.9	2854.4	2866.8	2864.1
8°	2706.3	2703.6	2712.2	2727.3	2737.5
9°	2551.7	2555.5	2560.9	2575.4	2563.6
10°	2377.8	2388.0	2386.4	2387.5	2399.3
11°	2177.4	2180.7	2181.2	2192.5	2190.9
12°	1942.1	1942.1	1959.9	1978.2	1972.2
13°	1704.6	1721.3	1709.4	1713.2	1736.9
14°	1427.7	1440.7	1456.8	1471.9	1460.1
15°	1152.5	1180.0	1201.0	1212.9	1201.5
17.5°	660.3	669.4	687.2	689.4	682.4
20°	377.5	388.8	402.8	398.5	385.1
22.5°	237.5	240.7	254.7	247.7	244.5
25°	150.8	158.9	167.5	160.5	155.1
27.5°	93.7	99.1	108.3	100.7	94.8
30°	56.5	61.4	71.1	60.9	57.1
32.5°	29.6	36.6	44.7	37.2	29.6
35°	14.0	19.9	27.5	19.9	14.5
37.5°	8.6	10.8	16.7	10.8	8.6
40°	4.8	7.0	10.2	7.0	4.8
42.5°	2.2	3.8	4.8	3.8	2.7
45°	0.5	1.6	2.7	1.6	0.5
47.5°	0.0	0.0	1.6	0.5	0.0
50°	0.0	0.0	0.5	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)