

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: P1310990

Luminaire Tested: P3SQAS05R259050DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310990
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: P3SQAS05R259050DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

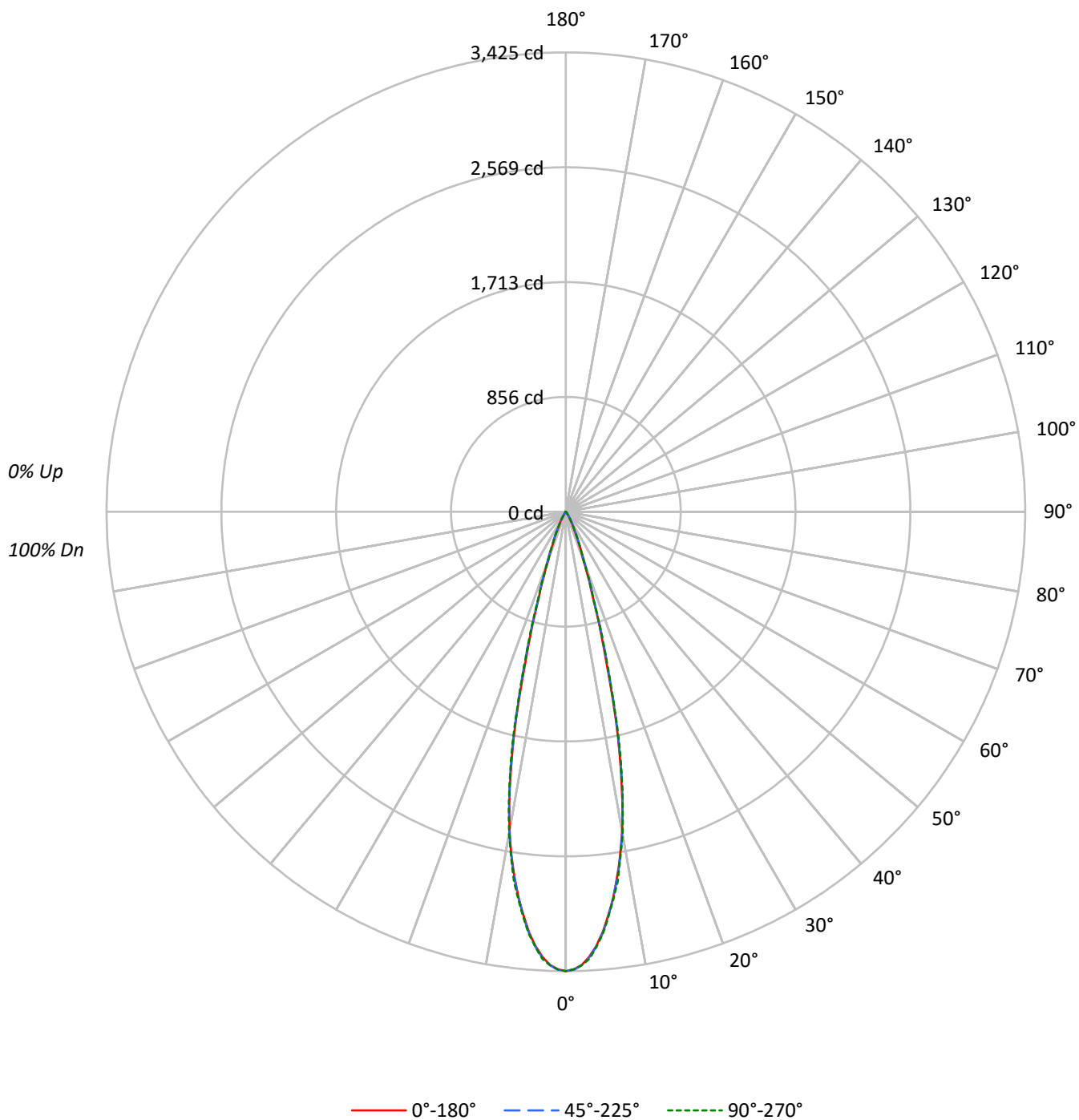
Lumens per Lamp: N/A
Luminaire Lumens: 713.0 lumens
Efficiency: N/A
Efficacy: 99.0 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	589931	589931	589931
5°	543951	545179	546320
10°	422334	423873	426164
15°	208716	217488	217595
20°	70286	74996	71679
25°	29112	32324	29929
30°	11415	14358	11534
35°	2985	5866	3112
40°	1102	2338	1102
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°	277.6	38.9
10°-20°	335.7	47.1
20°-30°	82.0	11.5
30°-40°	15.9	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°	695.2	97.5
0°-40°	711.2	99.7
0°-60°	713.0	100.0
0°-90°	713.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	713.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3425	3425	3425	3425	3425	
5°	3146	3151	3154	3167	3160	277
15°	1171	1198	1220	1232	1220	330
25°	153	161	170	163	158	78
35°	14	20	28	20	15	13
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°	3425.4	3425.4	3425.4	3425.4	3425.4
1°	3412.2	3414.4	3415.0	3418.3	3411.7
2°	3381.1	3381.6	3383.2	3389.8	3383.8
3°	3323.6	3327.5	3328.0	3336.8	3338.4
4°	3245.4	3247.6	3252.0	3266.7	3253.6
5°	3146.4	3150.8	3153.5	3167.2	3160.1
6°	3023.9	3025.0	3031.0	3046.8	3037.0
7°	2899.1	2898.6	2899.1	2911.7	2909.0
8°	2748.7	2746.0	2754.7	2770.1	2780.4
9°	2591.7	2595.6	2601.0	2615.8	2603.8
10°	2415.0	2425.4	2423.8	2424.9	2436.9
11°	2211.6	2214.8	2215.4	2226.9	2225.2
12°	1972.5	1972.5	1990.6	2009.2	2003.1
13°	1731.3	1748.2	1736.2	1740.0	1764.1
14°	1450.1	1463.2	1479.7	1495.0	1482.9
15°	1170.6	1198.5	1219.8	1231.9	1220.4
17.5°	670.6	679.9	698.0	700.2	693.1
20°	383.5	394.9	409.2	404.8	391.1
22.5°	241.2	244.5	258.7	251.6	248.3
25°	153.2	161.4	170.1	163.0	157.5
27.5°	95.2	100.6	109.9	102.3	96.3
30°	57.4	62.4	72.2	61.8	58.0
32.5°	30.1	37.2	45.4	37.7	30.1
35°	14.2	20.2	27.9	20.2	14.8
37.5°	8.8	10.9	17.0	10.9	8.8
40°	4.9	7.1	10.4	7.1	4.9
42.5°	2.2	3.8	4.9	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)