

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: P1307651

Luminaire Tested: P3SQAS05R209030DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307651
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R209030DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

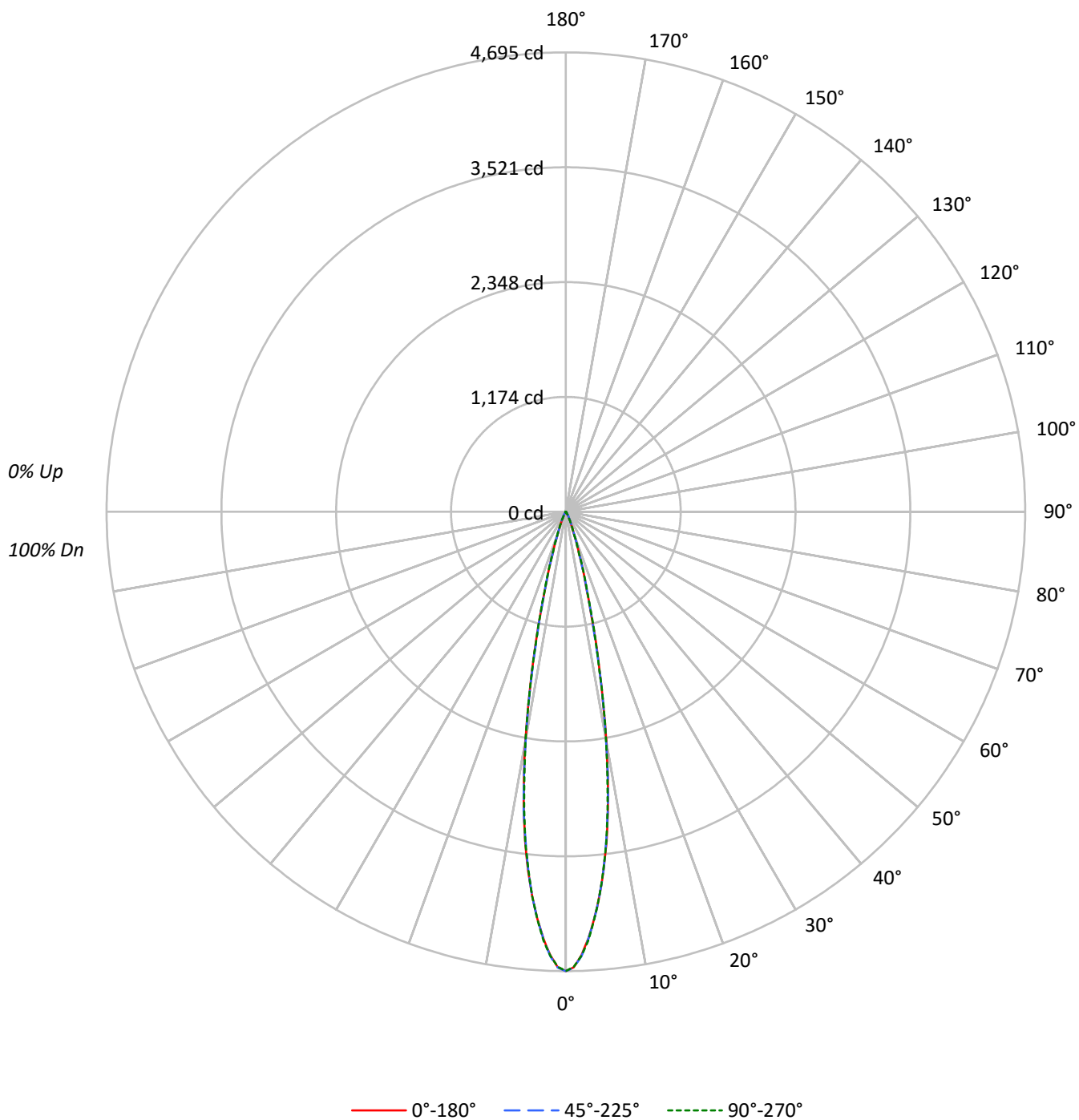
Lumens per Lamp: N/A
Luminaire Lumens: 647.0 lumens
Efficiency: N/A
Efficacy: 89.9 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	116	114	112	110	113	111	110	109	108	106	105		104	103	102		101
2	112	109	106	104	110	107	105	103	104	102	101		102	100	99		99
3	109	105	102	100	108	104	101	99	102	99	97		99	97	96		97
4	107	102	98	96	105	101	98	95	99	96	94		97	95	93		96
5	104	99	95	93	103	98	95	92	97	94	92		95	93	91		94
6	102	96	93	90	101	96	92	90	94	92	89		93	91	89		92
7	100	94	90	88	99	94	90	88	92	90	87		91	89	87		91
8	97	92	88	86	97	91	88	86	91	88	86		90	87	85		89
9	96	90	87	84	95	90	86	84	89	86	84		88	86	84		88
10	94	88	85	83	93	88	85	82	87	84	82		87	84	82		86

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	808585	808585	808585
5°	681512	681772	681426
10°	415304	413380	414342
15°	146294	146918	151464
20°	45965	47248	46240
25°	17216	18832	17691
30°	6662	9466	6960
35°	2523	4205	2733
40°	1349	1799	1349
45°	487	852	609
50°	268	402	268
55°	300	300	300
60°	172	172	172
65°	204	204	204
70°	252	252	252
75°	0	0	333
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 852 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	325.9	50.4
10°-20°	255.6	39.5
20°-30°	50.2	7.8
30°-40°	11.2	1.7
40°-50°	2.6	0.4
50°-60°	0.8	0.1
60°-70°	0.5	0.1
70°-80°	0.2	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°	631.7	97.6
0°-40°	642.9	99.4
0°-60°	646.3	99.9
0°-90°	647.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	647.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4695	4695	4695	4695	4695	
5°	3942	3946	3944	3957	3942	327
15°	820	824	824	842	850	255
25°	91	97	99	98	93	48
35°	12	14	20	14	13	9
45°	2	3	4	3	2	2
55°	1	1	1	1	1	1
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°	4695.0	4695.0	4695.0	4695.0	4695.0
1°	4657.0	4647.0	4658.5	4649.5	4651.5
2°	4536.3	4530.8	4545.8	4536.3	4541.3
3°	4368.6	4361.6	4372.6	4373.1	4387.1
4°	4168.4	4154.9	4171.4	4171.9	4174.4
5°	3942.1	3945.6	3943.6	3957.1	3941.6
6°	3687.8	3699.3	3684.3	3691.8	3670.3
7°	3403.5	3389.0	3381.5	3384.0	3399.0
8°	3089.6	3079.6	3090.6	3075.1	3064.6
9°	2740.7	2723.2	2735.2	2720.2	2705.2
10°	2374.8	2366.8	2363.8	2346.8	2369.3
11°	2007.9	1983.8	1995.8	1987.3	2011.9
12°	1664.5	1666.5	1642.9	1650.4	1653.4
13°	1354.6	1322.6	1326.6	1347.1	1350.6
14°	1050.7	1055.2	1056.7	1071.3	1079.8
15°	820.5	824.0	824.0	842.0	849.5
17.5°	440.0	440.0	449.5	451.5	452.5
20°	250.8	252.3	257.8	257.3	252.3
22.5°	150.2	153.2	156.2	153.2	150.2
25°	90.6	96.6	99.1	97.6	93.1
27.5°	54.1	60.6	67.6	62.1	53.6
30°	33.5	37.0	47.6	38.0	35.0
32.5°	18.5	24.0	32.5	25.0	19.0
35°	12.0	14.5	20.0	14.5	13.0
37.5°	8.5	10.0	12.5	10.5	9.0
40°	6.0	7.0	8.0	7.5	6.0
42.5°	4.0	5.0	5.5	5.0	4.0
45°	2.0	3.0	3.5	3.0	2.5
47.5°	1.0	1.5	2.5	1.5	1.0
50°	1.0	1.0	1.5	1.0	1.0
52.5°	1.0	1.0	1.0	1.0	1.0
55°	1.0	1.0	1.0	1.0	1.0
57.5°	1.0	1.0	0.5	1.0	0.5
60°	0.5	0.5	0.5	0.5	0.5
62.5°	0.5	0.5	0.5	0.5	0.5
65°	0.5	0.5	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.0	0.0	0.0	0.0	0.5
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)