

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: P1307828

Luminaire Tested: P3SQAS09R259030DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307828
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R259030DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

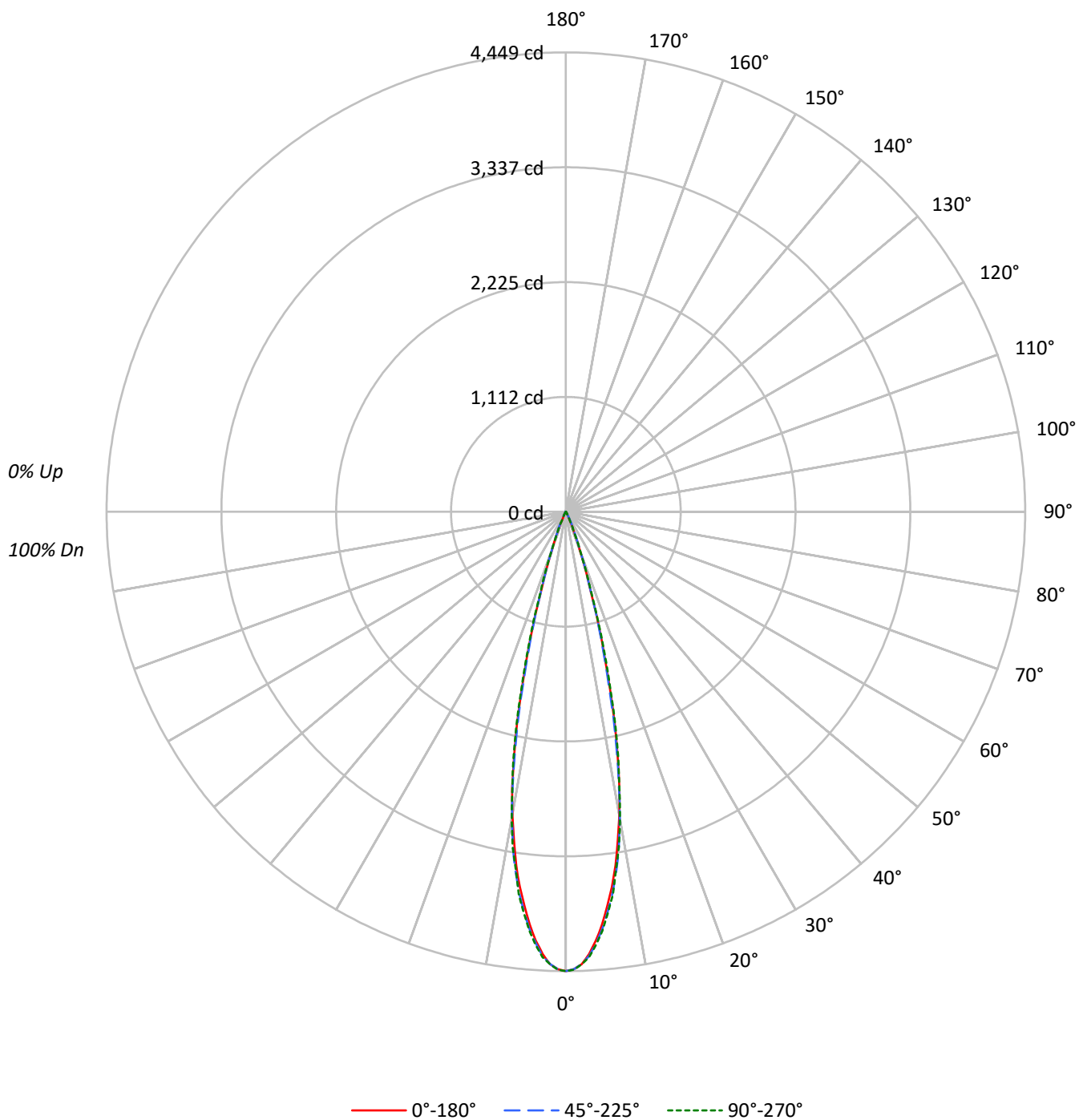
Lumens per Lamp: N/A
Luminaire Lumens: 821.0 lumens
Efficiency: N/A
Efficacy: 74.0 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	112	110	113	111	110	108	107	106	105		104	103	102		100
2	112	109	106	104	110	107	105	103	104	102	101		101	100	98		99
3	109	105	102	99	107	104	101	98	101	99	97		99	97	95		97
4	106	101	98	95	105	100	97	95	99	96	94		97	94	93		95
5	104	98	95	92	102	98	94	92	96	93	91		95	92	90		93
6	101	96	92	89	100	95	92	89	94	91	89		93	90	88		91
7	99	93	89	87	98	93	89	87	92	89	86		91	88	86		90
8	97	91	87	85	96	90	87	85	90	86	84		89	86	84		88
9	95	89	85	83	94	88	85	83	88	85	82		87	84	82		86
10	93	87	83	81	92	86	83	81	86	83	81		85	82	80		85

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	766150	766150	766150
5°	694288	700616	704021
10°	521928	525653	528083
15°	258425	250723	267429
20°	72980	74190	74996
25°	12656	23924	15031
30°	4952	5091	5250
35°	1535	1703	1703
40°	495	652	495
45°	365	170	365
50°	188	0	188
55°	210	0	210
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: 0°

Vertical Angle: 45°

Luminance: 365 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	353.4	43.0
10°-20°	398.5	48.5
20°-30°	61.8	7.5
30°-40°	6.3	0.8
40°-50°	0.8	0.1
50°-60°	0.1	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°	813.7	99.1
0°-40°	820.0	99.9
0°-60°	821.0	100.0
0°-90°	821.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	821.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4449	4449	4449	4449	4449	
5°	4016	4023	4053	4069	4072	350
15°	1449	1439	1406	1469	1500	397
25°	67	99	126	96	79	56
35°	7	8	8	9	8	6
45°	2	1	1	1	2	1
55°	1	0	0	0	1	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	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4448.6	4448.6	4448.6	4448.6	4448.6
1°	4430.3	4436.2	4429.6	4436.9	4436.2
2°	4384.2	4390.0	4382.0	4386.4	4386.4
3°	4289.8	4302.2	4309.5	4314.6	4319.0
4°	4165.3	4179.2	4190.2	4203.4	4203.4
5°	4016.0	4023.3	4052.6	4068.7	4072.3
6°	3838.1	3867.4	3889.3	3921.5	3901.8
7°	3660.2	3684.4	3715.1	3720.2	3734.1
8°	3458.2	3483.8	3512.3	3507.2	3495.5
9°	3212.2	3249.5	3283.2	3272.2	3286.9
10°	2984.5	3007.2	3005.8	2994.8	3019.7
11°	2720.3	2725.4	2696.8	2741.5	2714.4
12°	2406.9	2411.3	2374.7	2418.7	2446.5
13°	2106.8	2096.6	2046.1	2103.9	2139.0
14°	1761.3	1764.9	1700.5	1812.5	1803.7
15°	1449.4	1439.2	1406.2	1469.2	1499.9
17.5°	772.3	778.9	770.8	802.3	822.1
20°	398.2	409.2	404.8	418.0	409.2
22.5°	206.4	221.8	226.2	216.0	188.1
25°	66.6	98.8	125.9	95.9	79.1
27.5°	40.3	39.5	61.5	42.5	43.2
30°	24.9	24.2	25.6	25.6	26.4
32.5°	13.9	14.6	13.9	15.4	14.6
35°	7.3	8.1	8.1	8.8	8.1
37.5°	4.4	5.1	5.1	5.1	4.4
40°	2.2	2.9	2.9	2.2	2.2
42.5°	1.5	1.5	1.5	1.5	1.5
45°	1.5	0.7	0.7	0.7	1.5
47.5°	0.7	0.7	0.0	0.7	0.7
50°	0.7	0.7	0.0	0.7	0.7
52.5°	0.7	0.0	0.0	0.0	0.7
55°	0.7	0.0	0.0	0.0	0.7
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)