

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: P1307810

Luminaire Tested: P3SQAS09R209030DE010 E3SQPH1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307810
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R209030DE010 E3SQPH1MMS
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , E3SQPH1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

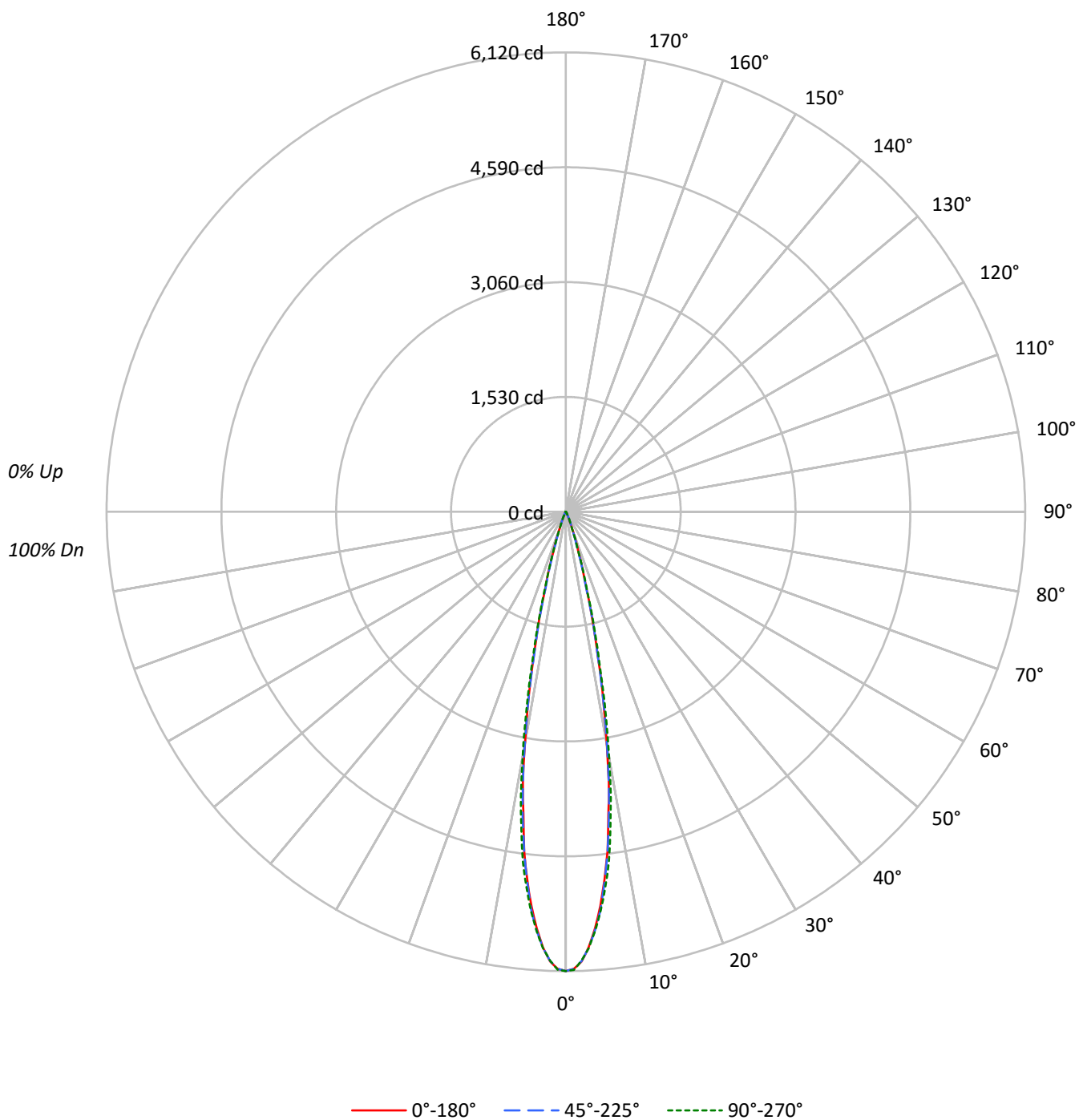
Lumens per Lamp: N/A
Luminaire Lumens: 822.0 lumens
Efficiency: N/A
Efficacy: 74.1 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	95	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	92	92	91
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	90	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	88	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	87	87	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85	85	85
10	95	90	87	85	95	90	87	85	89	86	84	88	86	84	88	86	84	84	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1054003	1054003	1054003
5°	910544	919015	922439
10°	548125	553249	580792
15°	189584	185145	199908
20°	49796	46845	46974
25°	10851	13074	14898
30°	4653	4653	4813
35°	2607	2313	2460
40°	1147	1326	1484
45°	365	536	536
50°	188	188	188
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: 22.5°

Vertical Angle: 45°

Luminance: 536 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	437.7	53.3
10°-20°	333.3	40.5
20°-30°	41.2	5.0
30°-40°	7.8	0.9
40°-50°	1.9	0.2
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°	812.2	98.8
0°-40°	820.0	99.8
0°-60°	822.0	100.0
0°-90°	822.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	822.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6120	6120	6120	6120	6120	
5°	5267	5263	5316	5312	5336	434
15°	1063	1025	1038	1101	1121	333
25°	57	65	69	72	78	39
35°	12	12	11	12	12	8
45°	2	2	2	2	2	2
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°	6120.0	6120.0	6120.0	6120.0	6120.0
1°	6091.5	6084.1	6090.0	6077.6	6103.2
2°	5994.1	5986.7	5986.7	5979.4	5983.1
3°	5812.5	5824.2	5816.8	5801.5	5821.2
4°	5564.9	5578.1	5589.8	5590.6	5593.5
5°	5266.9	5263.2	5315.9	5312.3	5335.7
6°	4927.1	4922.7	4945.4	4983.5	5030.3
7°	4553.6	4500.1	4560.9	4637.8	4700.8
8°	4070.3	4084.2	4125.9	4216.7	4267.3
9°	3660.2	3578.9	3667.5	3775.9	3830.8
10°	3134.3	3068.4	3163.6	3277.9	3321.1
12.5°	1972.9	1915.8	1946.5	2066.6	2085.7
15°	1063.3	1025.3	1038.4	1100.7	1121.2
17.5°	542.7	508.2	500.9	540.5	544.8
20°	271.7	263.6	255.6	259.2	256.3
22.5°	126.0	136.9	135.5	128.2	136.9
25°	57.1	65.2	68.8	71.8	78.4
27.5°	35.2	33.7	38.8	41.7	42.5
30°	23.4	22.7	23.4	24.2	24.2
32.5°	16.8	16.1	15.4	15.4	16.1
35°	12.4	12.4	11.0	11.7	11.7
37.5°	8.8	8.8	8.1	8.8	8.8
40°	5.1	5.9	5.9	5.9	6.6
42.5°	2.9	3.7	3.7	3.7	3.7
45°	1.5	2.2	2.2	2.2	2.2
47.5°	0.7	0.7	0.7	1.5	1.5
50°	0.7	0.7	0.7	0.7	0.7
52.5°	0.7	0.0	0.0	0.0	0.7
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
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)