

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: P1305721

Luminaire Tested: P3SQAS09R209024DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305721
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: P3SQAS09R209024DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2400K CCT AND, 90CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

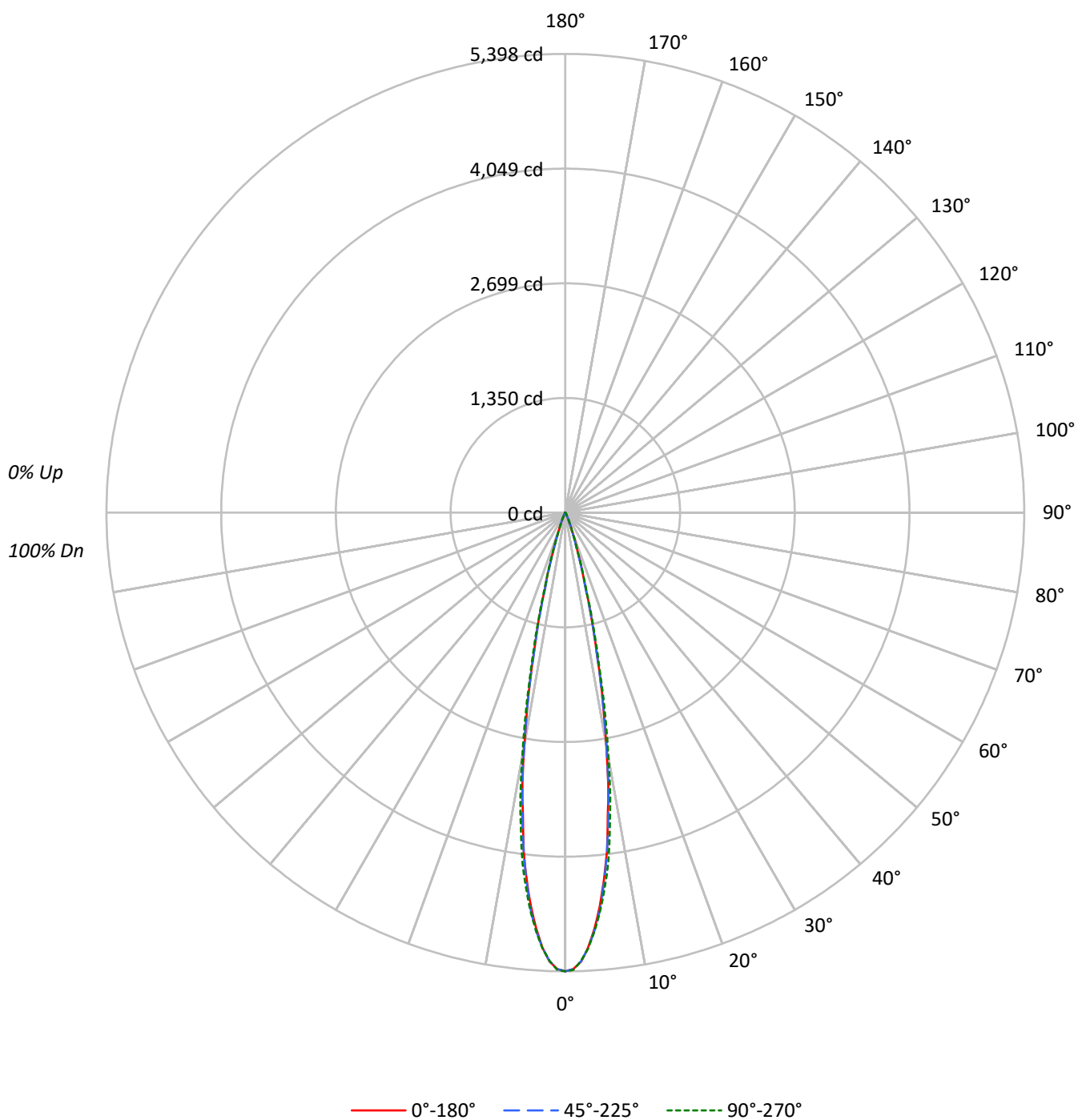
Lumens per Lamp: N/A
Luminaire Lumens: 725.0 lumens
Efficiency: N/A
Efficacy: 65.3 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	929623	929623	929623
5°	803099	810568	813593
10°	483454	487966	512257
15°	167226	163303	176319
20°	43913	41310	41439
25°	9577	11535	13131
30°	4117	4117	4236
35°	2313	2039	2166
40°	1012	1169	1304
45°	317	463	463
50°	161	161	161
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: 463 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	386.1	53.3
10°-20°	293.9	40.5
20°-30°	36.3	5.0
30°-40°	6.9	1.0
40°-50°	1.6	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°	716.4	98.8
0°-40°	723.2	99.8
0°-60°	725.0	100.0
0°-90°	725.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	725.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5398	5398	5398	5398	5398	
5°	4645	4642	4689	4685	4706	383
15°	938	904	916	971	989	294
25°	50	58	61	63	69	35
35°	11	11	10	10	10	7
45°	1	2	2	2	2	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°	5397.8	5397.8	5397.8	5397.8	5397.8
1°	5372.6	5366.2	5371.4	5360.4	5383.0
2°	5286.7	5280.3	5280.3	5273.8	5277.1
3°	5126.6	5136.9	5130.4	5116.9	5134.3
4°	4908.2	4919.9	4930.2	4930.8	4933.4
5°	4645.4	4642.1	4688.6	4685.4	4706.1
6°	4345.7	4341.8	4361.8	4395.4	4436.7
7°	4016.2	3969.1	4022.7	4090.5	4146.1
8°	3589.9	3602.2	3639.0	3719.1	3763.7
9°	3228.2	3156.5	3234.7	3330.3	3378.7
10°	2764.5	2706.3	2790.3	2891.1	2929.2
12.5°	1740.1	1689.7	1716.8	1822.7	1839.5
15°	937.9	904.3	915.9	970.8	988.9
17.5°	478.6	448.3	441.8	476.7	480.6
20°	239.6	232.5	225.4	228.7	226.1
22.5°	111.1	120.8	119.5	113.0	120.8
25°	50.4	57.5	60.7	63.3	69.1
27.5°	31.0	29.7	34.2	36.8	37.5
30°	20.7	20.0	20.7	21.3	21.3
32.5°	14.9	14.2	13.6	13.6	14.2
35°	11.0	11.0	9.7	10.3	10.3
37.5°	7.8	7.8	7.1	7.8	7.8
40°	4.5	5.2	5.2	5.2	5.8
42.5°	2.6	3.2	3.2	3.2	3.2
45°	1.3	1.9	1.9	1.9	1.9
47.5°	0.6	0.6	0.6	1.3	1.3
50°	0.6	0.6	0.6	0.6	0.6
52.5°	0.6	0.0	0.0	0.0	0.6
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)