

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: P1308313

Luminaire Tested: P3SQAS20R309030D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308313
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R309030D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

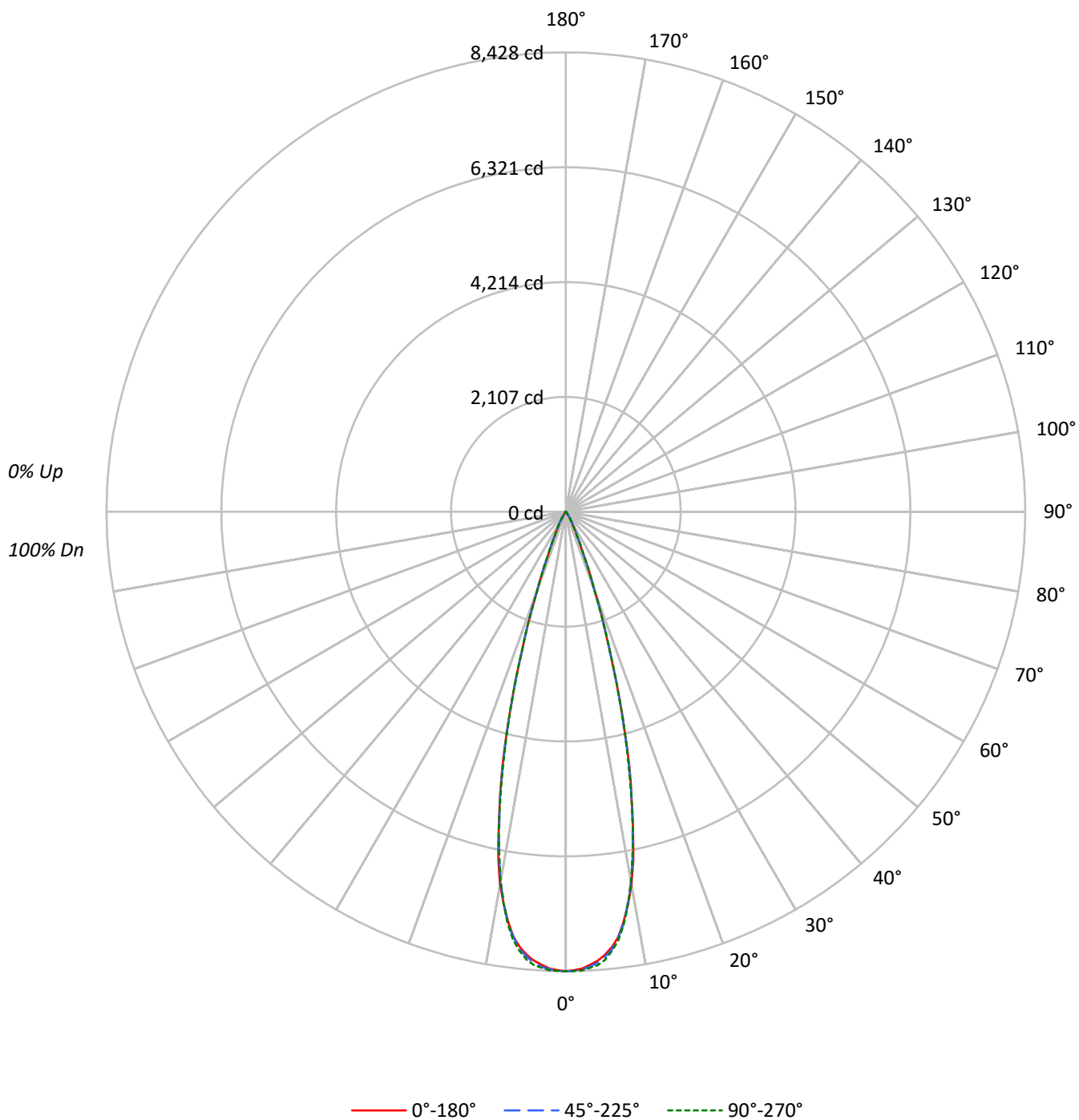
Lumens per Lamp: N/A
Luminaire Lumens: 2192.0 lumens
Efficiency: N/A
Efficacy: 76.1 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	109	113	111	109	108	107	106	104		103	102	101		100
2	111	108	105	102	109	106	104	101	103	101	99		100	99	97		98
3	108	103	100	97	106	102	99	96	100	97	95		97	95	93		95
4	105	99	96	93	103	98	95	92	96	93	91		95	92	90		93
5	102	96	92	89	100	95	91	89	93	90	88		92	89	87		91
6	99	93	89	86	98	92	88	85	91	87	85		90	87	84		88
7	96	90	86	83	95	89	85	83	88	85	82		87	84	82		86
8	94	87	83	80	93	87	83	80	86	82	80		85	82	80		84
9	91	85	81	78	90	84	80	78	83	80	78		83	80	77		82
10	89	82	78	76	88	82	78	76	81	78	76		81	78	75		80

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1451527	1451527	1451527
5°	1411759	1417897	1426662
10°	1213978	1203625	1204815
15°	745945	739901	740507
20°	283894	284517	279239
25°	90301	95127	90624
30°	36313	45063	37327
35°	11732	19910	11732
40°	5328	8746	5328
45°	2070	3702	2070
50°	911	1822	911
55°	1021	1021	1021
60°	1171	1171	1171
65°	693	693	693
70°	856	856	856
75°	1131	1131	1131
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3702 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	743.4	33.9
10°-20°	1102.9	50.3
20°-30°	274.0	12.5
30°-40°	54.7	2.5
40°-50°	10.0	0.5
50°-60°	3.1	0.1
60°-70°	2.3	0.1
70°-80°	1.6	0.1
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°	2120.4	96.7
0°-40°	2175.1	99.2
0°-60°	2188.2	99.8
0°-90°	2192.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2192.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8428	8428	8428	8428	8428	
5°	8166	8193	8202	8213	8252	742
15°	4184	4192	4150	4163	4153	1107
25°	475	485	501	494	477	266
35°	56	73	95	71	56	45
45°	8	10	15	12	8	7
55°	3	3	3	3	3	3
65°	2	2	2	2	2	2
75°	2	2	2	2	2	2
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°	8428.2	8428.2	8428.2	8428.2	8428.2
1°	8409.6	8419.8	8426.5	8426.5	8426.5
2°	8385.9	8392.7	8402.8	8404.5	8418.1
3°	8330.1	8345.3	8362.3	8372.4	8379.2
4°	8262.5	8282.8	8292.9	8318.3	8340.3
5°	8166.1	8193.2	8201.6	8213.4	8252.3
6°	8035.9	8056.2	8073.1	8078.2	8101.8
7°	7863.4	7873.5	7870.2	7878.6	7920.9
8°	7601.3	7604.7	7633.4	7614.8	7643.6
9°	7290.1	7276.6	7269.8	7283.4	7285.1
10°	6941.8	6896.1	6882.6	6870.7	6889.4
11°	6490.3	6431.1	6436.1	6432.8	6405.7
12°	5928.8	5922.1	5878.1	5886.6	5927.1
13°	5355.6	5367.4	5358.9	5369.1	5323.4
14°	4817.8	4760.3	4775.5	4718.0	4740.0
15°	4183.7	4192.1	4149.8	4163.4	4153.2
17.5°	2678.6	2697.2	2683.7	2671.9	2690.5
20°	1549.0	1547.3	1552.4	1537.2	1523.6
22.5°	815.1	826.9	842.1	843.8	854.0
25°	475.2	485.3	500.6	493.8	476.9
27.5°	290.9	309.5	333.1	316.2	295.9
30°	182.6	197.9	226.6	199.5	187.7
32.5°	103.2	125.1	148.8	125.1	103.2
35°	55.8	72.7	94.7	71.0	55.8
37.5°	37.2	42.3	62.6	42.3	37.2
40°	23.7	28.7	38.9	28.7	23.7
42.5°	13.5	18.6	22.0	18.6	13.5
45°	8.5	10.1	15.2	11.8	8.5
47.5°	3.4	5.1	10.1	5.1	5.1
50°	3.4	3.4	6.8	3.4	3.4
52.5°	3.4	3.4	3.4	3.4	3.4
55°	3.4	3.4	3.4	3.4	3.4
57.5°	3.4	3.4	3.4	3.4	3.4
60°	3.4	3.4	3.4	3.4	3.4
62.5°	3.4	3.4	3.4	3.4	3.4
65°	1.7	1.7	1.7	1.7	1.7
67.5°	1.7	1.7	1.7	1.7	1.7
70°	1.7	1.7	1.7	1.7	1.7
72.5°	1.7	1.7	1.7	1.7	1.7
75°	1.7	1.7	1.7	1.7	1.7
77.5°	1.7	1.7	1.7	1.7	1.7
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)