

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: P1308152

Luminaire Tested: P3SQAS17R259030DE010 E3SQPH1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308152
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: P3SQAS17R259030DE010 E3SQPH1MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3SQPH1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

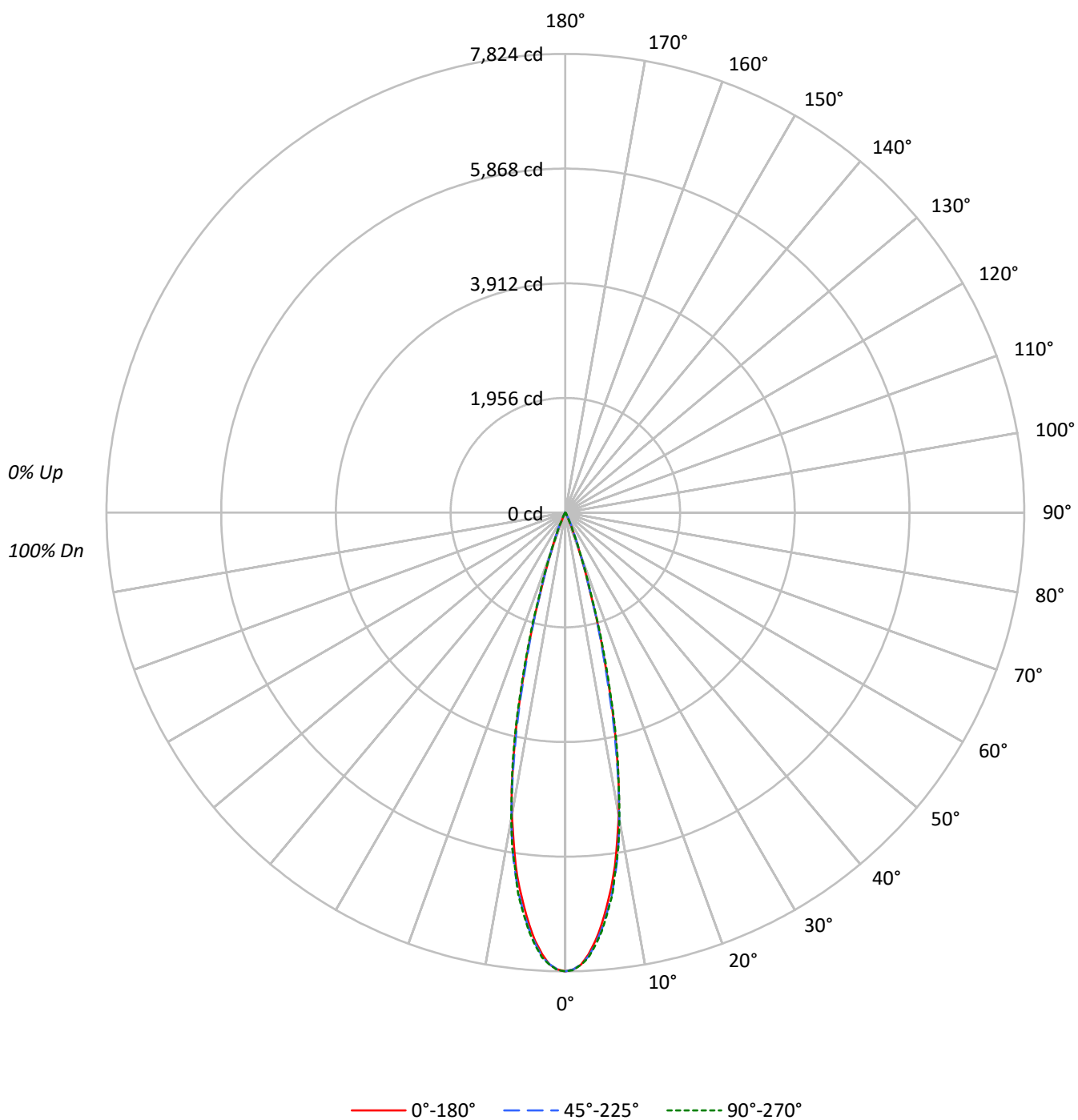
Lumens per Lamp: N/A
Luminaire Lumens: 1444.0 lumens
Efficiency: N/A
Efficacy: 68.1 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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					0
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	100	100	100
1	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97	97	97
2	112	109	106	104	110	107	105	103	104	102	101	101	100	98	99	97	96	95	95	95
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	93	93	93
4	106	101	98	95	105	100	97	95	99	96	94	97	94	93	95	93	92	91	91	91
5	104	98	95	92	102	98	94	92	96	93	91	95	92	90	93	91	89	88	88	88
6	101	96	92	89	100	95	92	89	94	91	89	93	90	88	91	89	87	86	86	86
7	99	93	89	87	98	93	89	87	92	89	86	91	88	86	90	87	86	85	85	85
8	97	91	87	85	96	90	87	85	90	86	84	89	86	84	88	85	84	83	83	83
9	95	89	85	83	94	88	85	83	88	85	82	87	84	82	86	84	82	81	81	81
10	93	87	83	81	92	86	83	81	86	83	81	85	82	80	85	82	80	80	80	80

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1347522	1347522	1347522
5°	1221124	1232258	1238274
10°	917995	924518	928802
15°	454535	441002	470386
20°	128366	130492	131903
25°	22271	42091	26433
30°	8710	8969	9227
35°	2712	2985	2985
40°	877	1169	877
45°	633	317	633
50°	348	0	348
55°	390	0	390
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: 633 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	621.6	43.0
10°-20°	701.0	48.5
20°-30°	108.7	7.5
30°-40°	11.0	0.8
40°-50°	1.5	0.1
50°-60°	0.2	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°	1431.3	99.1
0°-40°	1442.3	99.9
0°-60°	1444.0	100.0
0°-90°	1444.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1444.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7824	7824	7824	7824	7824	
5°	7063	7076	7128	7156	7163	616
15°	2549	2531	2473	2584	2638	698
25°	117	174	222	169	139	98
35°	13	14	14	16	14	10
45°	3	1	1	1	3	2
55°	1	0	0	0	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°	7824.3	7824.3	7824.3	7824.3	7824.3
1°	7792.2	7802.5	7790.9	7803.7	7802.5
2°	7711.0	7721.3	7707.2	7714.9	7714.9
3°	7544.9	7566.8	7579.7	7588.7	7596.5
4°	7326.1	7350.5	7369.8	7393.0	7393.0
5°	7063.4	7076.3	7127.8	7156.1	7162.6
6°	6750.5	6802.0	6840.7	6897.3	6862.6
7°	6437.7	6480.2	6534.2	6543.2	6567.7
8°	6082.3	6127.4	6177.6	6168.6	6148.0
9°	5649.7	5715.4	5774.6	5755.3	5781.0
10°	5249.3	5289.2	5286.6	5267.3	5311.1
11°	4784.5	4793.5	4743.3	4821.8	4774.2
12°	4233.4	4241.1	4176.8	4254.0	4302.9
13°	3705.5	3687.5	3598.7	3700.4	3762.2
14°	3097.8	3104.2	2990.9	3187.9	3172.5
15°	2549.3	2531.3	2473.4	2584.1	2638.2
17.5°	1358.3	1369.9	1355.8	1411.1	1445.9
20°	700.4	719.7	712.0	735.2	719.7
22.5°	363.1	390.1	397.8	379.8	330.9
25°	117.2	173.8	221.5	168.7	139.1
27.5°	70.8	69.5	108.2	74.7	76.0
30°	43.8	42.5	45.1	45.1	46.4
32.5°	24.5	25.8	24.5	27.0	25.8
35°	12.9	14.2	14.2	15.5	14.2
37.5°	7.7	9.0	9.0	9.0	7.7
40°	3.9	5.2	5.2	3.9	3.9
42.5°	2.6	2.6	2.6	2.6	2.6
45°	2.6	1.3	1.3	1.3	2.6
47.5°	1.3	1.3	0.0	1.3	1.3
50°	1.3	1.3	0.0	1.3	1.3
52.5°	1.3	0.0	0.0	0.0	1.3
55°	1.3	0.0	0.0	0.0	1.3
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)