

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: P1307534

Luminaire Tested: P3SQAS02R359030DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307534
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R359030DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

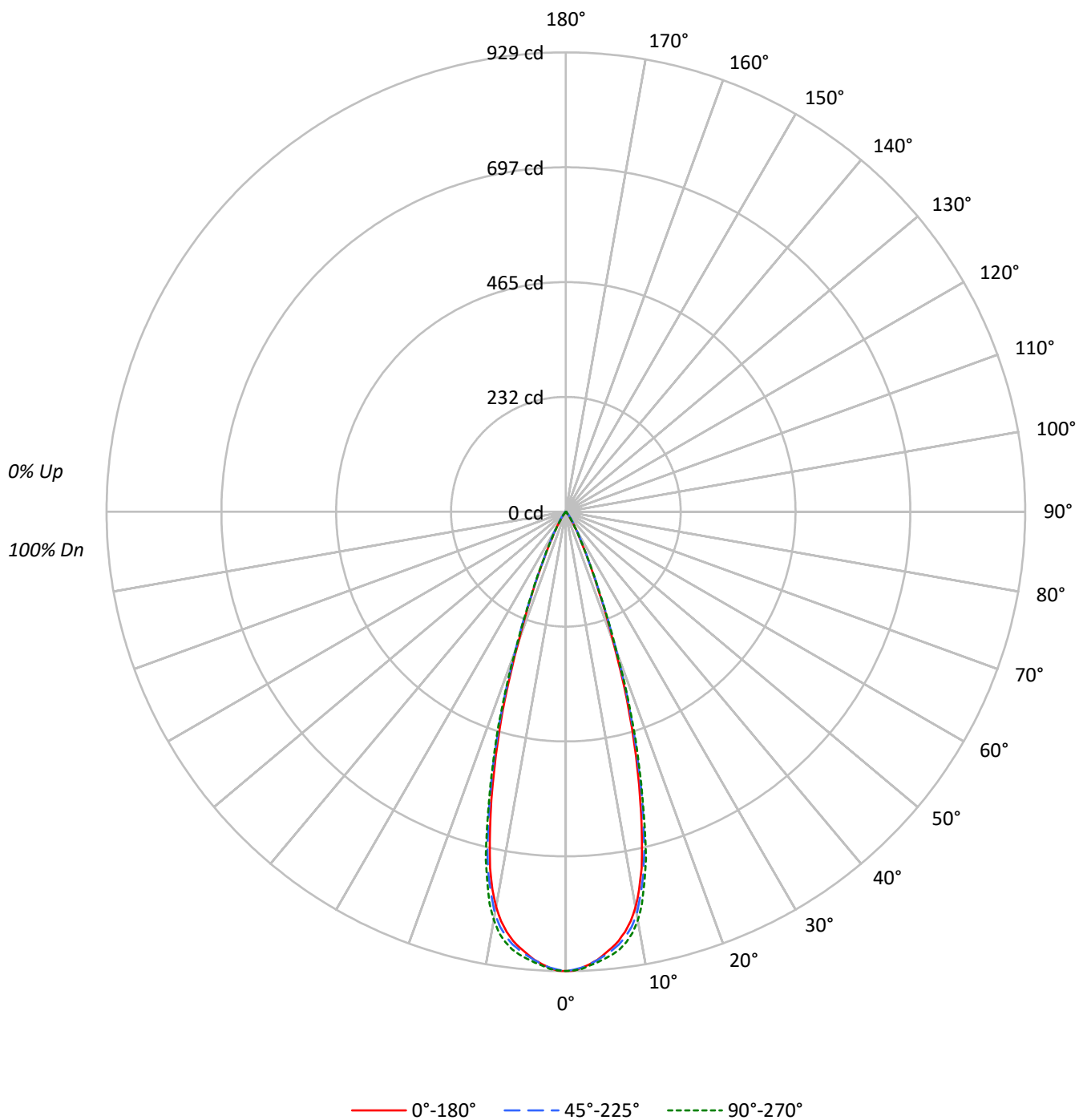
Lumens per Lamp: N/A
Luminaire Lumens: 311.9 lumens
Efficiency: N/A
Efficacy: 86.6 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	103	100	102	100	98		99	98	96		97
3	107	102	98	95	105	101	97	95	98	96	93		96	94	92		94
4	103	98	94	91	102	97	93	90	95	92	89		93	90	88		91
5	100	94	90	86	99	93	89	86	91	88	85		90	87	85		89
6	97	90	86	83	96	90	86	83	88	85	82		87	84	82		86
7	94	87	83	80	93	87	82	79	85	82	79		84	81	79		83
8	91	84	80	77	90	84	80	77	83	79	76		82	78	76		81
9	88	81	77	74	88	81	77	74	80	76	74		79	76	74		79
10	86	79	75	72	85	78	74	72	78	74	71		77	74	71		76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	159960	159960	159960
5°	155229	155783	156837
10°	142002	144468	146671
15°	101933	105659	106747
20°	51262	54268	54396
25°	19440	20029	20124
30°	7895	9048	7756
35°	2859	4352	2754
40°	1214	1866	1147
45°	292	779	292
50°	188	322	188
55°	210	210	210
60°	241	241	241
65°	204	204	204
70°	101	101	101
75°	133	133	133
80°	198	198	198
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 779 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.0	26.9
10°-20°	156.5	50.2
20°-30°	56.3	18.0
30°-40°	11.8	3.8
40°-50°	2.0	0.7
50°-60°	0.6	0.2
60°-70°	0.5	0.2
70°-80°	0.2	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°	296.7	95.1
0°-40°	308.5	98.9
0°-60°	311.2	99.8
0°-90°	311.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	311.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	929	929	929	929	929	
5°	898	900	901	907	907	83
15°	572	582	593	599	599	152
25°	102	104	105	106	106	54
35°	14	16	21	16	13	10
45°	1	2	3	2	1	1
55°	1	1	1	1	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°	928.8	928.8	928.8	928.8	928.8
1°	928.3	928.3	926.4	928.6	927.9
2°	923.2	923.7	922.5	925.2	924.9
3°	916.2	917.4	916.4	920.3	919.1
4°	908.6	909.6	909.1	914.0	913.5
5°	897.9	899.6	901.1	907.2	907.2
6°	887.0	888.7	891.8	898.4	900.6
7°	874.3	876.5	881.6	890.4	891.8
8°	858.2	860.7	867.7	877.2	879.2
9°	838.3	841.9	849.9	861.4	862.6
10°	812.0	814.9	826.1	835.6	838.7
11°	777.9	780.3	790.3	805.6	807.6
12°	736.5	739.4	752.3	762.3	764.2
13°	684.1	689.7	705.3	715.1	720.4
14°	630.3	637.9	649.1	663.0	659.6
15°	571.7	581.6	592.6	598.9	598.7
17.5°	427.8	433.6	443.4	447.0	451.9
20°	279.7	287.3	296.1	299.5	296.8
22.5°	173.6	175.5	178.2	179.7	179.2
25°	102.3	103.7	105.4	106.4	105.9
27.5°	61.6	65.0	67.4	64.5	62.8
30°	39.7	41.1	45.5	41.6	39.0
32.5°	23.6	27.0	30.7	26.1	22.6
35°	13.6	16.1	20.7	15.8	13.1
37.5°	8.8	10.0	13.4	9.7	8.5
40°	5.4	6.8	8.3	6.3	5.1
42.5°	2.7	4.1	4.9	3.7	2.7
45°	1.2	1.9	3.2	1.9	1.2
47.5°	0.7	1.0	1.9	1.0	0.7
50°	0.7	0.7	1.2	0.7	0.7
52.5°	0.7	0.7	0.7	0.7	0.7
55°	0.7	0.7	0.7	0.7	0.7
57.5°	0.7	0.7	0.7	0.7	0.7
60°	0.7	0.7	0.7	0.7	0.7
62.5°	0.5	0.5	0.5	0.5	0.5
65°	0.5	0.5	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5
70°	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2
80°	0.2	0.2	0.2	0.2	0.2
82.5°	0.2	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)