

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: P1310804

Luminaire Tested: P3SQAS02R159050DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310804
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R159050DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 5000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

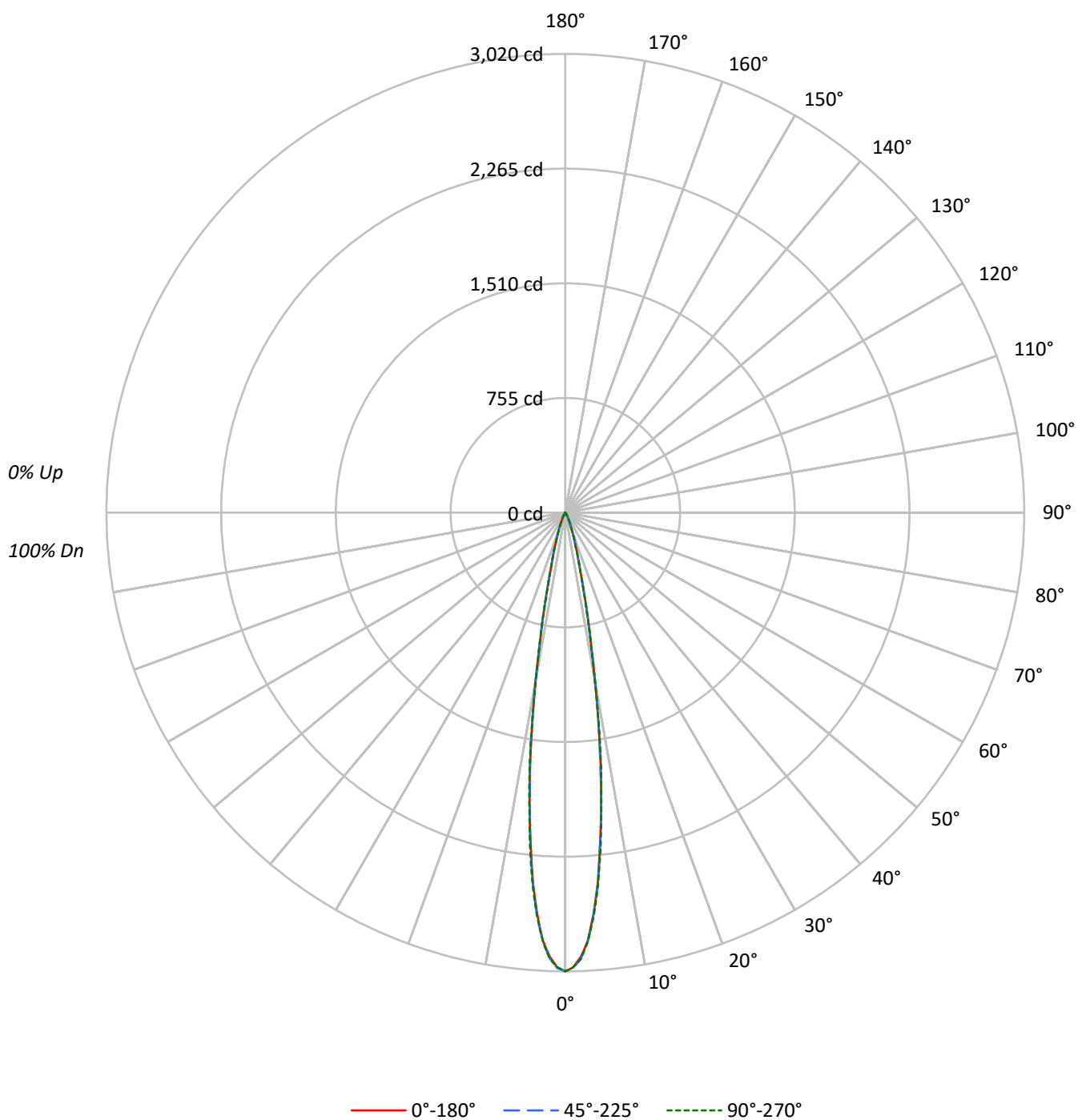
Lumens per Lamp: N/A
Luminaire Lumens: 339.0 lumens
Efficiency: N/A
Efficacy: 94.2 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	520061	520061	520061
5°	422883	424352	425839
10°	196949	197124	196057
15°	60942	63117	61941
20°	24302	25659	24009
25°	10166	11991	9653
30°	4136	5509	3818
35°	1346	2523	1240
40°	472	1012	472
45°	195	317	195
50°	134	214	134
55°	150	150	150
60°	172	172	172
65°	122	122	122
70°	151	151	151
75°	200	200	200
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 317 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.0	55.8
10°-20°	113.0	33.3
20°-30°	28.8	8.5
30°-40°	6.3	1.8
40°-50°	1.0	0.3
50°-60°	0.5	0.1
60°-70°	0.3	0.1
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°	330.8	97.6
0°-40°	337.0	99.4
0°-60°	338.5	99.8
0°-90°	339.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	339.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3020	3020	3020	3020	3020	
5°	2446	2450	2455	2444	2463	189
15°	342	351	354	349	347	112
25°	54	57	63	56	51	27
35°	6	8	12	8	6	5
45°	1	1	1	1	1	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	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3019.7	3019.7	3019.7	3019.7	3019.7
1°	2993.4	2998.4	2999.2	2998.4	2994.2
2°	2926.0	2940.9	2937.7	2931.4	2940.4
3°	2822.0	2829.4	2828.3	2828.9	2826.8
4°	2652.7	2665.7	2658.3	2663.9	2664.4
5°	2446.1	2449.6	2454.6	2443.5	2463.2
6°	2191.9	2214.0	2194.6	2213.8	2221.5
7°	1933.5	1946.3	1921.5	1934.8	1942.8
8°	1669.2	1646.8	1660.4	1660.7	1687.0
9°	1383.8	1388.4	1399.8	1386.8	1398.2
10°	1126.2	1136.6	1127.2	1122.7	1121.1
11°	889.3	901.0	900.2	901.5	892.7
12°	715.5	709.3	713.3	700.3	706.2
13°	556.8	557.1	553.9	548.6	543.8
14°	436.3	433.6	441.0	434.4	428.3
15°	341.8	351.3	354.0	349.0	347.4
17.5°	210.8	211.1	214.8	210.0	209.5
20°	132.6	135.7	140.0	134.9	131.0
22.5°	83.8	86.8	93.4	87.0	81.4
25°	53.5	57.2	63.1	55.9	50.8
27.5°	33.5	37.0	42.6	35.9	32.2
30°	20.8	23.2	27.7	22.6	19.2
32.5°	12.0	14.4	18.1	13.6	11.4
35°	6.4	8.3	12.0	8.0	5.9
37.5°	3.7	4.8	7.7	4.3	3.5
40°	2.1	2.9	4.5	2.7	2.1
42.5°	1.3	1.9	2.1	1.6	1.1
45°	0.8	1.1	1.3	1.1	0.8
47.5°	0.5	0.8	1.1	0.5	0.5
50°	0.5	0.5	0.8	0.5	0.5
52.5°	0.5	0.5	0.5	0.5	0.5
55°	0.5	0.5	0.5	0.5	0.5
57.5°	0.5	0.5	0.5	0.5	0.5
60°	0.5	0.5	0.5	0.5	0.5
62.5°	0.3	0.3	0.3	0.3	0.3
65°	0.3	0.3	0.3	0.3	0.3
67.5°	0.3	0.3	0.3	0.3	0.3
70°	0.3	0.3	0.3	0.3	0.3
72.5°	0.3	0.3	0.3	0.3	0.3
75°	0.3	0.3	0.3	0.3	0.3
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)