

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: P1314671

Luminaire Tested: P3SQAS20R259735D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314671
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-35)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R259735D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

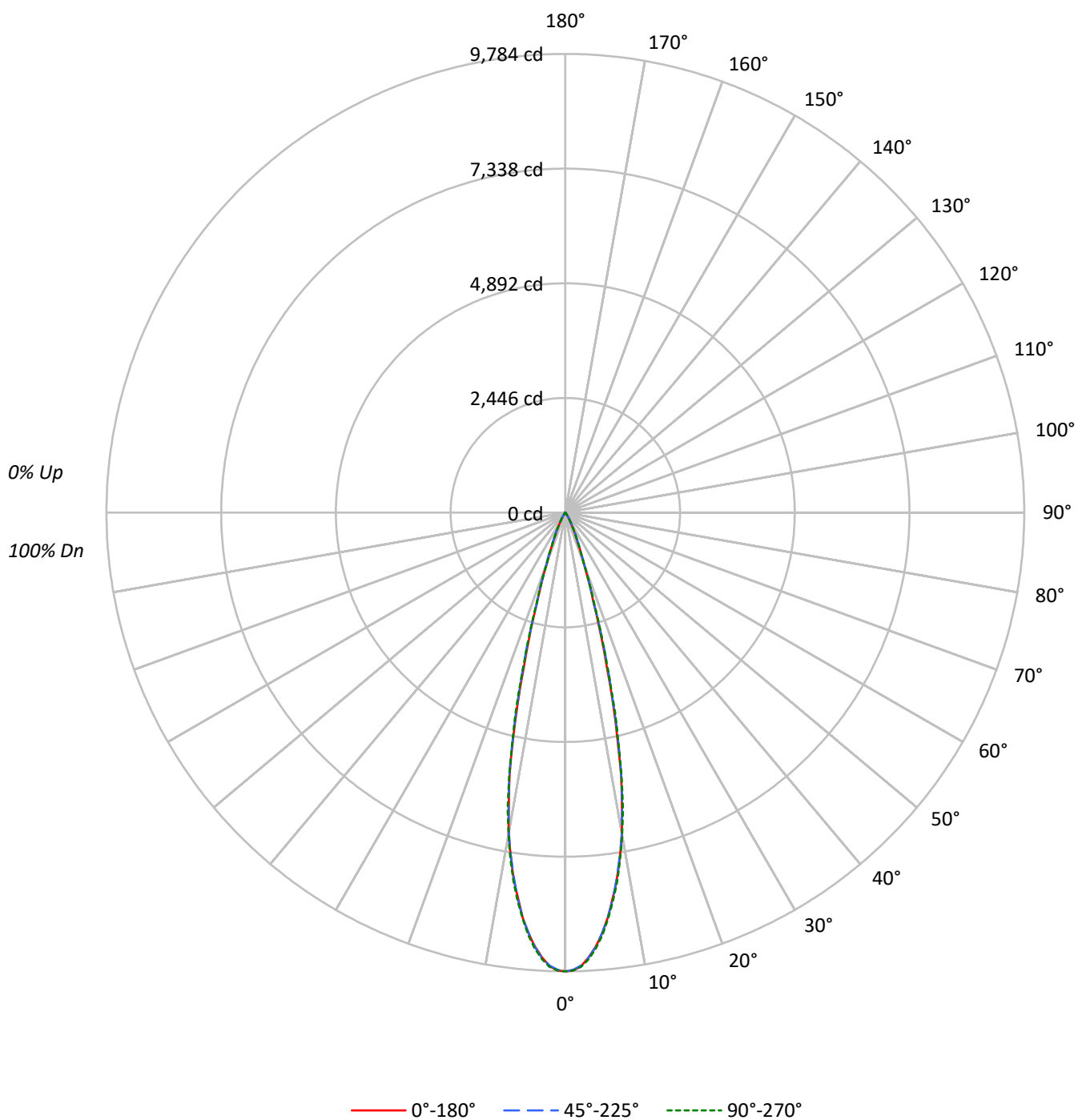
Lumens per Lamp: N/A
Luminaire Lumens: 2067.1 lumens
Efficiency: N/A
Efficacy: 71.8 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	110	113	111	109	108	107	106	105		103	102	102		100
2	112	108	105	103	110	107	104	102	103	101	100		101	99	97		98
3	108	104	100	98	107	103	99	97	100	98	95		98	96	94		96
4	105	100	96	93	104	99	96	93	97	94	92		95	93	91		94
5	102	97	93	90	101	96	92	90	94	91	89		93	90	88		91
6	100	94	90	87	98	93	89	87	92	88	86		90	88	86		89
7	97	91	87	84	96	90	87	84	89	86	84		88	85	83		87
8	95	88	84	82	94	88	84	82	87	84	81		86	83	81		85
9	92	86	82	80	91	86	82	79	85	82	79		84	81	79		83
10	90	84	80	78	89	83	80	77	83	80	77		82	79	77		82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1685095	1685095	1685095
5°	1556460	1555925	1564638
10°	1215832	1212527	1220781
15°	611651	637201	636649
20°	209282	215055	211592
25°	84106	94576	87697
30°	34145	40728	33211
35°	9945	17892	9945
40°	4609	7801	4609
45°	1534	3069	1534
50°	857	1259	857
55°	961	961	961
60°	1102	1102	1102
65°	652	652	652
70°	806	806	806
75°	1065	1065	1065
80°	0	1587	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3069 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	793.8	38.4
10°-20°	971.6	47.0
20°-30°	237.4	11.5
30°-40°	49.1	2.4
40°-50°	8.6	0.4
50°-60°	2.9	0.1
60°-70°	2.3	0.1
70°-80°	1.5	0.1
80°-90°	0.1	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°	2002.7	96.9
0°-40°	2051.8	99.3
0°-60°	2063.3	99.8
0°-90°	2067.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2067.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9784	9784	9784	9784	9784	
5°	9003	9011	9000	9019	9050	793
15°	3430	3489	3574	3590	3571	958
25°	443	463	498	469	462	226
35°	47	66	85	65	47	40
45°	6	10	13	10	6	6
55°	3	3	3	3	3	3
65°	2	3	2	2	2	2
75°	2	2	2	2	2	1
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°	9784.4	9784.4	9784.4	9784.4	9784.4
1°	9765.5	9752.9	9749.7	9751.3	9767.0
2°	9677.3	9669.4	9667.8	9672.5	9694.6
3°	9497.7	9507.2	9510.3	9526.1	9537.1
4°	9277.2	9296.1	9288.2	9307.1	9319.7
5°	9003.1	9011.0	9000.0	9018.9	9050.4
6°	8683.4	8655.0	8681.8	8689.7	8711.7
7°	8284.9	8291.2	8300.6	8310.1	8343.2
8°	7892.7	7873.8	7869.1	7913.2	7940.0
9°	7434.4	7437.5	7420.2	7470.6	7478.5
10°	6952.4	6913.0	6933.5	6972.9	6980.7
11°	6316.1	6305.0	6335.0	6396.4	6445.2
12°	5719.1	5725.4	5756.9	5777.4	5766.4
13°	4930.0	4977.2	5016.6	5037.1	5010.3
14°	4216.5	4216.5	4266.9	4274.8	4370.8
15°	3430.5	3488.8	3573.8	3589.6	3570.7
17.5°	1981.4	1989.3	2030.3	2028.7	2058.6
20°	1141.9	1153.0	1173.4	1168.7	1154.5
22.5°	686.7	710.4	759.2	719.8	708.8
25°	442.6	463.1	497.7	469.4	461.5
27.5°	277.2	291.4	318.2	293.0	280.4
30°	171.7	179.6	204.8	181.1	167.0
32.5°	92.9	113.4	133.9	113.4	92.9
35°	47.3	66.2	85.1	64.6	47.3
37.5°	31.5	37.8	55.1	36.2	31.5
40°	20.5	25.2	34.7	25.2	20.5
42.5°	11.0	15.8	18.9	17.3	11.0
45°	6.3	9.5	12.6	9.5	6.3
47.5°	4.7	4.7	7.9	4.7	3.2
50°	3.2	3.2	4.7	3.2	3.2
52.5°	3.2	3.2	3.2	3.2	3.2
55°	3.2	3.2	3.2	3.2	3.2
57.5°	3.2	3.2	3.2	3.2	3.2
60°	3.2	3.2	3.2	3.2	3.2
62.5°	3.2	3.2	3.2	3.2	3.2
65°	1.6	3.2	1.6	1.6	1.6
67.5°	1.6	1.6	1.6	1.6	1.6
70°	1.6	1.6	1.6	1.6	1.6
72.5°	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6
80°	0.0	0.0	1.6	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)