

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: P1306707

Luminaire Tested: P3SQAS09R259027DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306707
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: P3SQAS09R259027DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

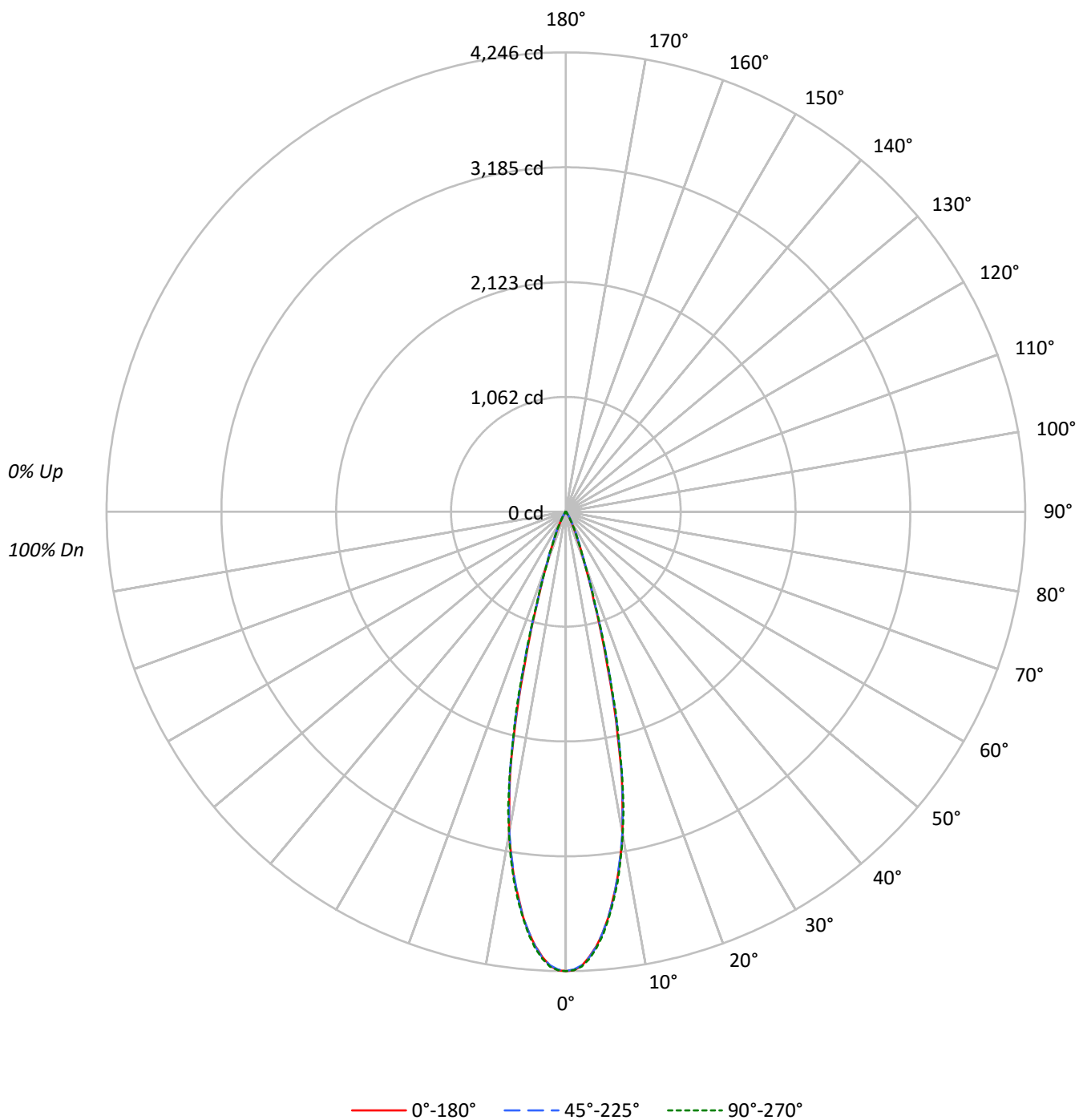
Lumens per Lamp: N/A
Luminaire Lumens: 897.1 lumens
Efficiency: N/A
Efficacy: 80.8 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	106	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°	731257	731257	731257
5°	675444	675219	678988
10°	527629	526195	529780
15°	265432	276522	276273
20°	90831	93324	91821
25°	36504	41046	38062
30°	14815	17679	14418
35°	4310	7758	4310
40°	2001	3372	2001
45°	658	1340	658
50°	375	563	375
55°	420	420	420
60°	482	482	482
65°	285	285	285
70°	352	352	352
75°	466	466	466
80°	0	694	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1340 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.5	38.4
10°-20°	421.6	47.0
20°-30°	103.0	11.5
30°-40°	21.3	2.4
40°-50°	3.7	0.4
50°-60°	1.3	0.1
60°-70°	1.0	0.1
70°-80°	0.7	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°	869.1	96.9
0°-40°	890.4	99.3
0°-60°	895.4	99.8
0°-90°	897.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	897.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4246	4246	4246	4246	4246	
5°	3907	3910	3906	3914	3928	344
15°	1489	1514	1551	1558	1550	416
25°	192	201	216	204	200	98
35°	20	29	37	28	20	18
45°	3	4	6	4	3	3
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	1	1	1	1	1	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°	4246.0	4246.0	4246.0	4246.0	4246.0
1°	4237.8	4232.4	4231.0	4231.7	4238.5
2°	4199.6	4196.1	4195.5	4197.5	4207.1
3°	4121.6	4125.7	4127.1	4133.9	4138.7
4°	4026.0	4034.2	4030.7	4038.9	4044.4
5°	3907.0	3910.4	3905.7	3913.9	3927.5
6°	3768.3	3756.0	3767.6	3771.0	3780.6
7°	3595.3	3598.1	3602.2	3606.3	3620.6
8°	3425.1	3416.9	3414.9	3434.0	3445.6
9°	3226.2	3227.6	3220.1	3242.0	3245.4
10°	3017.1	3000.0	3008.9	3026.0	3029.4
11°	2740.9	2736.1	2749.1	2775.8	2797.0
12°	2481.9	2484.6	2498.3	2507.2	2502.4
13°	2139.4	2159.9	2177.0	2185.9	2174.3
14°	1829.8	1829.8	1851.7	1855.1	1896.8
15°	1488.7	1514.0	1550.9	1557.7	1549.5
17.5°	859.9	863.3	881.1	880.4	893.4
20°	495.6	500.3	509.2	507.2	501.0
22.5°	298.0	308.3	329.5	312.4	307.6
25°	192.1	201.0	216.0	203.7	200.3
27.5°	120.3	126.5	138.1	127.1	121.7
30°	74.5	77.9	88.9	78.6	72.5
32.5°	40.3	49.2	58.1	49.2	40.3
35°	20.5	28.7	36.9	28.0	20.5
37.5°	13.7	16.4	23.9	15.7	13.7
40°	8.9	10.9	15.0	10.9	8.9
42.5°	4.8	6.8	8.2	7.5	4.8
45°	2.7	4.1	5.5	4.1	2.7
47.5°	2.1	2.1	3.4	2.1	1.4
50°	1.4	1.4	2.1	1.4	1.4
52.5°	1.4	1.4	1.4	1.4	1.4
55°	1.4	1.4	1.4	1.4	1.4
57.5°	1.4	1.4	1.4	1.4	1.4
60°	1.4	1.4	1.4	1.4	1.4
62.5°	1.4	1.4	1.4	1.4	1.4
65°	0.7	1.4	0.7	0.7	0.7
67.5°	0.7	0.7	0.7	0.7	0.7
70°	0.7	0.7	0.7	0.7	0.7
72.5°	0.7	0.7	0.7	0.7	0.7
75°	0.7	0.7	0.7	0.7	0.7
77.5°	0.7	0.7	0.7	0.7	0.7
80°	0.0	0.0	0.7	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)