

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: P1311609

Luminaire Tested: P3SQAS20R259050D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311609
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: P3SQAS20R259050D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

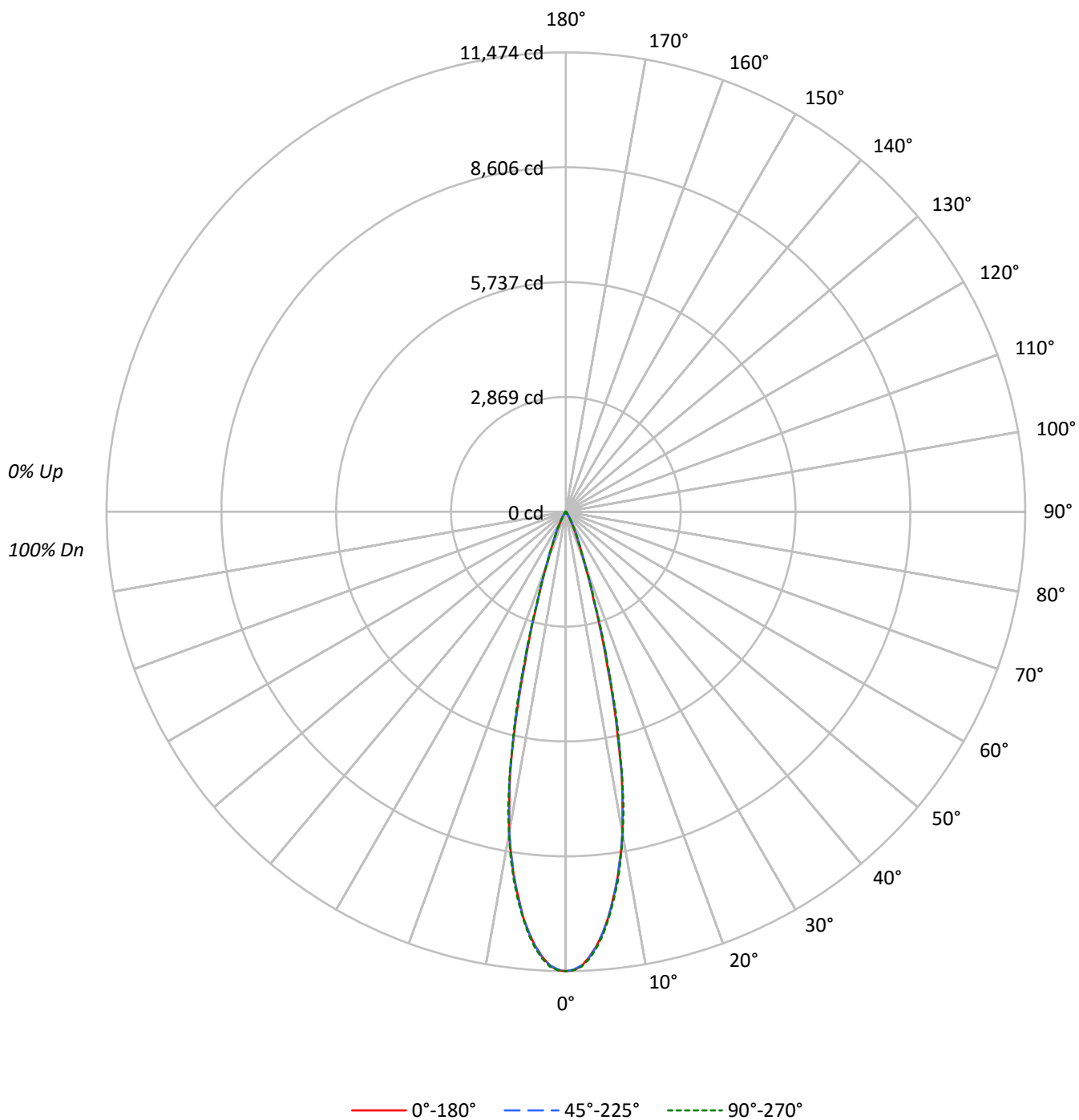
Lumens per Lamp: N/A
Luminaire Lumens: 2423.9 lumens
Efficiency: N/A
Efficacy: 84.2 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	84	80	77	83	80	77		82	79	77		82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1976134	1976134	1976134
5°	1825290	1824650	1834867
10°	1425827	1421945	1431633
15°	717293	747265	746605
20°	245443	252205	248137
25°	98624	110919	102842
30°	40032	47748	38938
35°	11648	20961	11648
40°	5396	9128	5396
45°	1802	3605	1802
50°	991	1474	991
55°	1111	1111	1111
60°	1274	1274	1274
65°	734	734	734
70°	906	906	906
75°	1198	1198	1198
80°	0	1785	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3605 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	930.9	38.4
10°-20°	1139.4	47.0
20°-30°	278.3	11.5
30°-40°	57.5	2.4
40°-50°	10.0	0.4
50°-60°	3.4	0.1
60°-70°	2.6	0.1
70°-80°	1.7	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°	2348.6	96.9
0°-40°	2406.1	99.3
0°-60°	2419.5	99.8
0°-90°	2423.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2423.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11474	11474	11474	11474	11474	
5°	10558	10567	10554	10577	10614	930
15°	4023	4091	4191	4210	4187	1123
25°	519	543	584	550	541	266
35°	55	78	100	76	55	47
45°	7	11	15	11	7	7
55°	4	4	4	4	4	3
65°	2	4	2	2	2	2
75°	2	2	2	2	2	2
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°	11474.3	11474.3	11474.3	11474.3	11474.3
1°	11452.1	11437.3	11433.6	11435.5	11453.9
2°	11348.7	11339.4	11337.6	11343.1	11369.0
3°	11138.1	11149.2	11152.9	11171.3	11184.3
4°	10879.5	10901.7	10892.4	10914.6	10929.4
5°	10558.1	10567.3	10554.4	10576.6	10613.5
6°	10183.1	10149.9	10181.3	10190.5	10216.4
7°	9715.8	9723.2	9734.3	9745.4	9784.2
8°	9255.9	9233.7	9228.2	9279.9	9311.3
9°	8718.4	8722.1	8701.7	8760.9	8770.1
10°	8153.2	8107.0	8131.0	8177.2	8186.4
11°	7406.9	7394.0	7429.1	7501.1	7558.4
12°	6706.9	6714.3	6751.2	6775.2	6762.3
13°	5781.5	5836.9	5883.1	5907.1	5875.7
14°	4944.7	4944.7	5003.8	5013.1	5125.7
15°	4023.0	4091.4	4191.1	4209.6	4187.4
17.5°	2323.7	2332.9	2380.9	2379.1	2414.2
20°	1339.2	1352.1	1376.1	1370.6	1353.9
22.5°	805.3	833.0	890.3	844.1	831.2
25°	519.0	543.1	583.7	550.4	541.2
27.5°	325.1	341.7	373.1	343.6	328.8
30°	201.3	210.6	240.1	212.4	195.8
32.5°	109.0	133.0	157.0	133.0	109.0
35°	55.4	77.6	99.7	75.7	55.4
37.5°	36.9	44.3	64.6	42.5	36.9
40°	24.0	29.6	40.6	29.6	24.0
42.5°	12.9	18.5	22.2	20.3	12.9
45°	7.4	11.1	14.8	11.1	7.4
47.5°	5.5	5.5	9.2	5.5	3.7
50°	3.7	3.7	5.5	3.7	3.7
52.5°	3.7	3.7	3.7	3.7	3.7
55°	3.7	3.7	3.7	3.7	3.7
57.5°	3.7	3.7	3.7	3.7	3.7
60°	3.7	3.7	3.7	3.7	3.7
62.5°	3.7	3.7	3.7	3.7	3.7
65°	1.8	3.7	1.8	1.8	1.8
67.5°	1.8	1.8	1.8	1.8	1.8
70°	1.8	1.8	1.8	1.8	1.8
72.5°	1.8	1.8	1.8	1.8	1.8
75°	1.8	1.8	1.8	1.8	1.8
77.5°	1.8	1.8	1.8	1.8	1.8
80°	0.0	0.0	1.8	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)