

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: P1318270

Luminaire Tested: P3SQAS20R259835D010 E3SQCD1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318270
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R259835D010 E3SQCD1MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 98CRI , E3SQCD1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

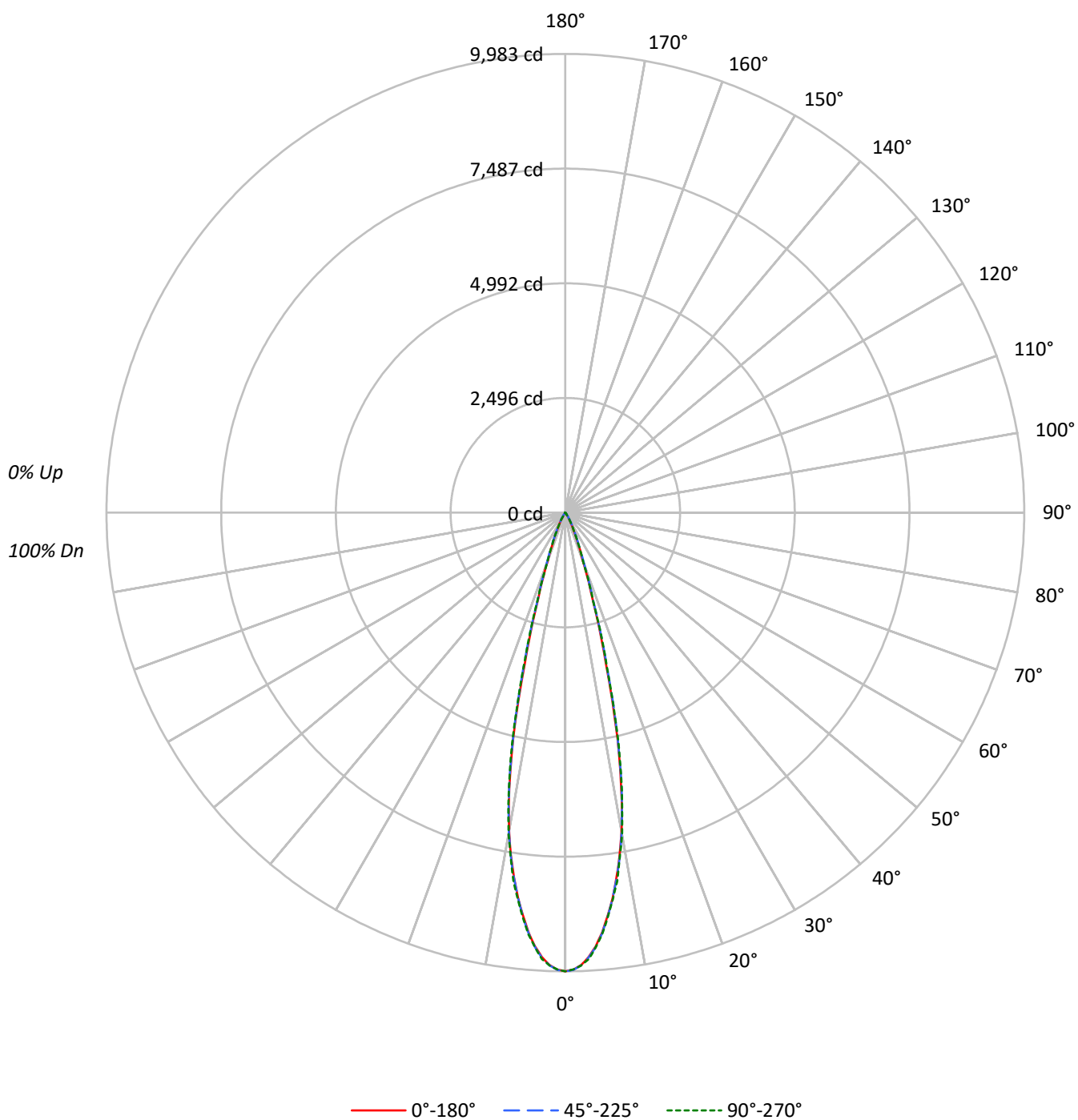
Lumens per Lamp: N/A
Luminaire Lumens: 2078.0 lumens
Efficiency: N/A
Efficacy: 75.8 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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

TEST NUMBER: P1318270

CATALOG NUMBER: P3SQAS20R259835D010 E3SQCD1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1318270

CATALOG NUMBER: P3SQAS20R259835D010 E3SQCD1MMS

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1719316	1719316	1719316
5°	1585314	1588893	1592212
10°	1230889	1235348	1242046
15°	608281	633867	634152
20°	204829	218556	208916
25°	84828	94215	87241
30°	33290	41841	33608
35°	8704	17093	9041
40°	3215	6812	3215
45°	390	1948	390
50°	0	429	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1948 cd/sqm

TEST NUMBER: P1318270

CATALOG NUMBER: P3SQAS20R259835D010 E3SQCD1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	808.9	38.9
10°-20°	978.4	47.1
20°-30°	238.9	11.5
30°-40°	46.4	2.2
40°-50°	5.3	0.3
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	2026.3	97.5
0°-40°	2072.7	99.7
0°-60°	2078.0	100.0
0°-90°	2078.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2078.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9983	9983	9983	9983	9983	
5°	9170	9183	9191	9231	9210	807
15°	3412	3493	3555	3590	3557	961
25°	446	470	496	475	459	227
35°	41	59	81	59	43	37
45°	2	5	8	5	2	3
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	

TEST NUMBER: P1318270

CATALOG NUMBER: P3SQAS20R259835D010 E3SQCD1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9983.1	9983.1	9983.1	9983.1	9983.1
1°	9944.8	9951.2	9952.8	9962.3	9943.2
2°	9853.9	9855.5	9860.3	9879.4	9861.9
3°	9686.5	9697.7	9699.3	9724.8	9729.6
4°	9458.5	9464.9	9477.7	9520.7	9482.5
5°	9170.0	9182.7	9190.7	9230.6	9209.9
6°	8812.9	8816.1	8833.6	8879.8	8851.1
7°	8449.4	8447.8	8449.4	8486.1	8478.1
8°	8011.0	8003.0	8028.5	8073.2	8103.5
9°	7553.4	7564.6	7580.6	7623.6	7588.5
10°	7038.5	7068.8	7064.0	7067.2	7102.3
11°	6445.5	6455.0	6456.6	6490.1	6485.3
12°	5748.8	5748.8	5801.4	5855.6	5838.1
13°	5045.7	5095.1	5060.1	5071.2	5141.4
14°	4226.3	4264.6	4312.4	4357.0	4321.9
15°	3411.6	3493.0	3555.1	3590.2	3556.7
17.5°	1954.5	1981.6	2034.2	2040.6	2019.9
20°	1117.6	1151.0	1192.5	1179.7	1139.9
22.5°	703.1	712.6	754.1	733.3	723.8
25°	446.4	470.3	495.8	475.1	459.1
27.5°	277.4	293.3	320.4	298.1	280.6
30°	167.4	181.7	210.4	180.1	169.0
32.5°	87.7	108.4	132.3	110.0	87.7
35°	41.4	59.0	81.3	59.0	43.0
37.5°	25.5	31.9	49.4	31.9	25.5
40°	14.3	20.7	30.3	20.7	14.3
42.5°	6.4	11.2	14.3	11.2	8.0
45°	1.6	4.8	8.0	4.8	1.6
47.5°	0.0	0.0	4.8	1.6	0.0
50°	0.0	0.0	1.6	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
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



TEST NUMBER: P1318270

CATALOG NUMBER: P3SQAS20R259835D010 E3SQCD1MMS

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)