

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: P1314669

Luminaire Tested: P3SQAS20R259735D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314669
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: P3SQAS20R259735D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 97CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

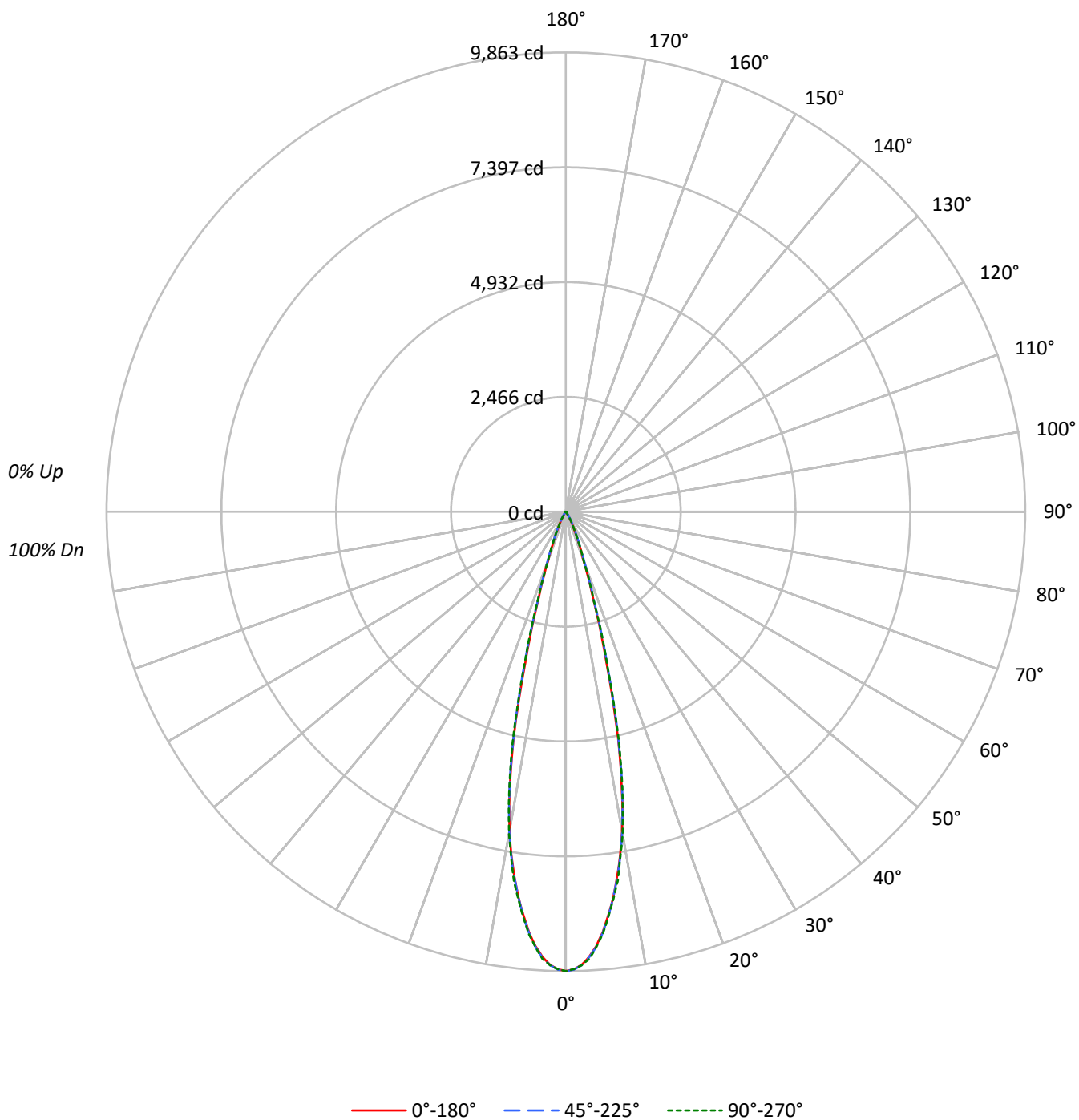
Lumens per Lamp: N/A
Luminaire Lumens: 2053.0 lumens
Efficiency: N/A
Efficacy: 71.3 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1314669

CATALOG NUMBER: P3SQAS20R259735D010 E3SQCD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1314669

CATALOG NUMBER: P3SQAS20R259735D010 E3SQCD1MB

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°	1698615	1698615	1698615
5°	1566245	1569772	1573040
10°	1216077	1220484	1227094
15°	600971	626254	626521
20°	202354	215917	206405
25°	83802	93075	86196
30°	32892	41344	33211
35°	8620	16883	8935
40°	3192	6722	3192
45°	390	1924	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: 1924 cd/sqm

TEST NUMBER: P1314669

CATALOG NUMBER: P3SQAS20R259735D010 E3SQCD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	799.2	38.9
10°-20°	966.7	47.1
20°-30°	236.0	11.5
30°-40°	45.9	2.2
40°-50°	5.2	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°	2001.9	97.5
0°-40°	2047.8	99.7
0°-60°	2053.0	100.0
0°-90°	2053.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2053.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9863	9863	9863	9863	9863	
5°	9060	9072	9080	9120	9099	797
15°	3371	3451	3512	3547	3514	949
25°	441	465	490	469	454	224
35°	41	58	80	58	42	36
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: P1314669

CATALOG NUMBER: P3SQAS20R259735D010 E3SQCD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9862.9	9862.9	9862.9	9862.9	9862.9
1°	9825.1	9831.4	9833.0	9842.5	9823.6
2°	9735.4	9736.9	9741.7	9760.6	9743.2
3°	9570.0	9581.0	9582.6	9607.8	9612.5
4°	9344.8	9351.1	9363.7	9406.2	9368.4
5°	9059.7	9072.3	9080.1	9119.5	9099.0
6°	8706.9	8710.0	8727.3	8773.0	8744.7
7°	8347.8	8346.2	8347.8	8384.0	8376.1
8°	7914.6	7906.7	7931.9	7976.0	8006.0
9°	7462.6	7473.6	7489.3	7531.9	7497.2
10°	6953.8	6983.8	6979.0	6982.2	7016.8
11°	6367.9	6377.4	6378.9	6412.0	6407.3
12°	5679.6	5679.6	5731.6	5785.1	5767.8
13°	4985.0	5033.9	4999.2	5010.2	5079.5
14°	4175.5	4213.3	4260.5	4304.6	4270.0
15°	3370.6	3450.9	3512.4	3547.0	3513.9
17.5°	1931.0	1957.8	2009.8	2016.1	1995.6
20°	1104.1	1137.2	1178.1	1165.5	1126.2
22.5°	694.6	704.0	745.0	724.5	715.1
25°	441.0	464.6	489.8	469.4	453.6
27.5°	274.1	289.8	316.6	294.5	277.2
30°	165.4	179.6	207.9	178.0	167.0
32.5°	86.6	107.1	130.7	108.7	86.6
35°	41.0	58.3	80.3	58.3	42.5
37.5°	25.2	31.5	48.8	31.5	25.2
40°	14.2	20.5	29.9	20.5	14.2
42.5°	6.3	11.0	14.2	11.0	7.9
45°	1.6	4.7	7.9	4.7	1.6
47.5°	0.0	0.0	4.7	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: P1314669

CATALOG NUMBER: P3SQAS20R259735D010 E3SQCD1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)