

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: P1315646

Luminaire Tested: P3SQAS20R259740D010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315646
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R259740D010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 97CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

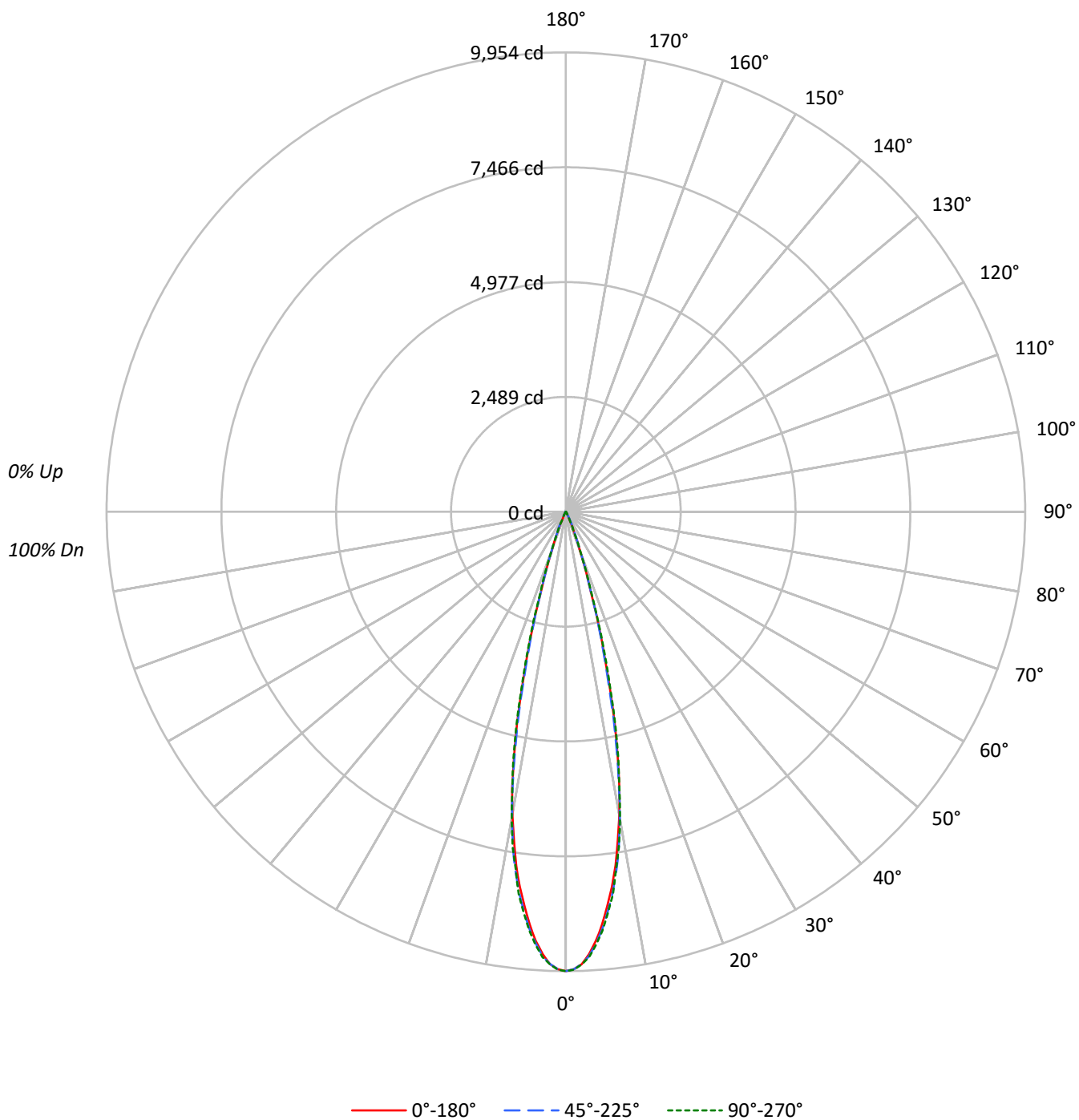
Lumens per Lamp: N/A
Luminaire Lumens: 1837.0 lumens
Efficiency: N/A
Efficacy: 63.8 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1315646

CATALOG NUMBER: P3SQAS20R259740D010 E3SQPH1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1315646

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1714270	1714270	1714270
5°	1553470	1567629	1575270
10°	1167827	1176134	1181573
15°	578238	561015	598404
20°	163298	166011	167807
25°	28333	53531	33616
30°	11077	11395	11733
35°	3448	3784	3784
40°	1102	1484	1102
45°	804	390	804
50°	429	0	429
55°	480	0	480
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: 0°

Vertical Angle: 45°

Luminance: 804 cd/sqm

TEST NUMBER: P1315646

CATALOG NUMBER: P3SQAS20R259740D010 E3SQPH1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	790.7	43.0
10°-20°	891.7	48.5
20°-30°	138.3	7.5
30°-40°	14.0	0.8
40°-50°	1.9	0.1
50°-60°	0.3	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°	1820.8	99.1
0°-40°	1834.8	99.9
0°-60°	1837.0	100.0
0°-90°	1837.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1837.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9954	9954	9954	9954	9954	
5°	8986	9002	9068	9104	9112	783
15°	3243	3220	3146	3287	3356	888
25°	149	221	282	215	177	125
35°	16	18	18	20	18	13
45°	3	2	2	2	3	2
55°	2	0	0	0	2	1
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: P1315646

CATALOG NUMBER: P3SQAS20R259740D010 E3SQPH1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9953.8	9953.8	9953.8	9953.8	9953.8
1°	9912.9	9926.0	9911.2	9927.6	9926.0
2°	9809.7	9822.8	9804.8	9814.6	9814.6
3°	9598.4	9626.2	9642.6	9654.1	9663.9
4°	9319.9	9351.1	9375.6	9405.1	9405.1
5°	8985.8	9002.2	9067.7	9103.7	9111.9
6°	8587.8	8653.3	8702.4	8774.5	8730.3
7°	8189.8	8243.8	8312.6	8324.1	8355.2
8°	7737.7	7795.0	7858.9	7847.4	7821.2
9°	7187.3	7270.9	7346.2	7321.6	7354.4
10°	6677.9	6728.7	6725.4	6700.9	6756.5
11°	6086.6	6098.1	6034.2	6134.1	6073.5
12°	5385.6	5395.4	5313.5	5411.8	5474.0
13°	4714.0	4691.1	4578.1	4707.5	4786.1
14°	3940.9	3949.1	3805.0	4055.6	4035.9
15°	3243.1	3220.2	3146.5	3287.4	3356.2
17.5°	1728.0	1742.8	1724.8	1795.2	1839.4
20°	891.0	915.6	905.8	935.3	915.6
22.5°	461.9	496.3	506.1	483.2	421.0
25°	149.1	221.1	281.7	214.6	176.9
27.5°	90.1	88.4	137.6	95.0	96.6
30°	55.7	54.1	57.3	57.3	59.0
32.5°	31.1	32.8	31.1	34.4	32.8
35°	16.4	18.0	18.0	19.7	18.0
37.5°	9.8	11.5	11.5	11.5	9.8
40°	4.9	6.6	6.6	4.9	4.9
42.5°	3.3	3.3	3.3	3.3	3.3
45°	3.3	1.6	1.6	1.6	3.3
47.5°	1.6	1.6	0.0	1.6	1.6
50°	1.6	1.6	0.0	1.6	1.6
52.5°	1.6	0.0	0.0	0.0	1.6
55°	1.6	0.0	0.0	0.0	1.6
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: P1315646

CATALOG NUMBER: P3SQAS20R259740D010 E3SQPH1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)