

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: P1309434

Luminaire Tested: P3SQAS20R309035D010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309434
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R309035D010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

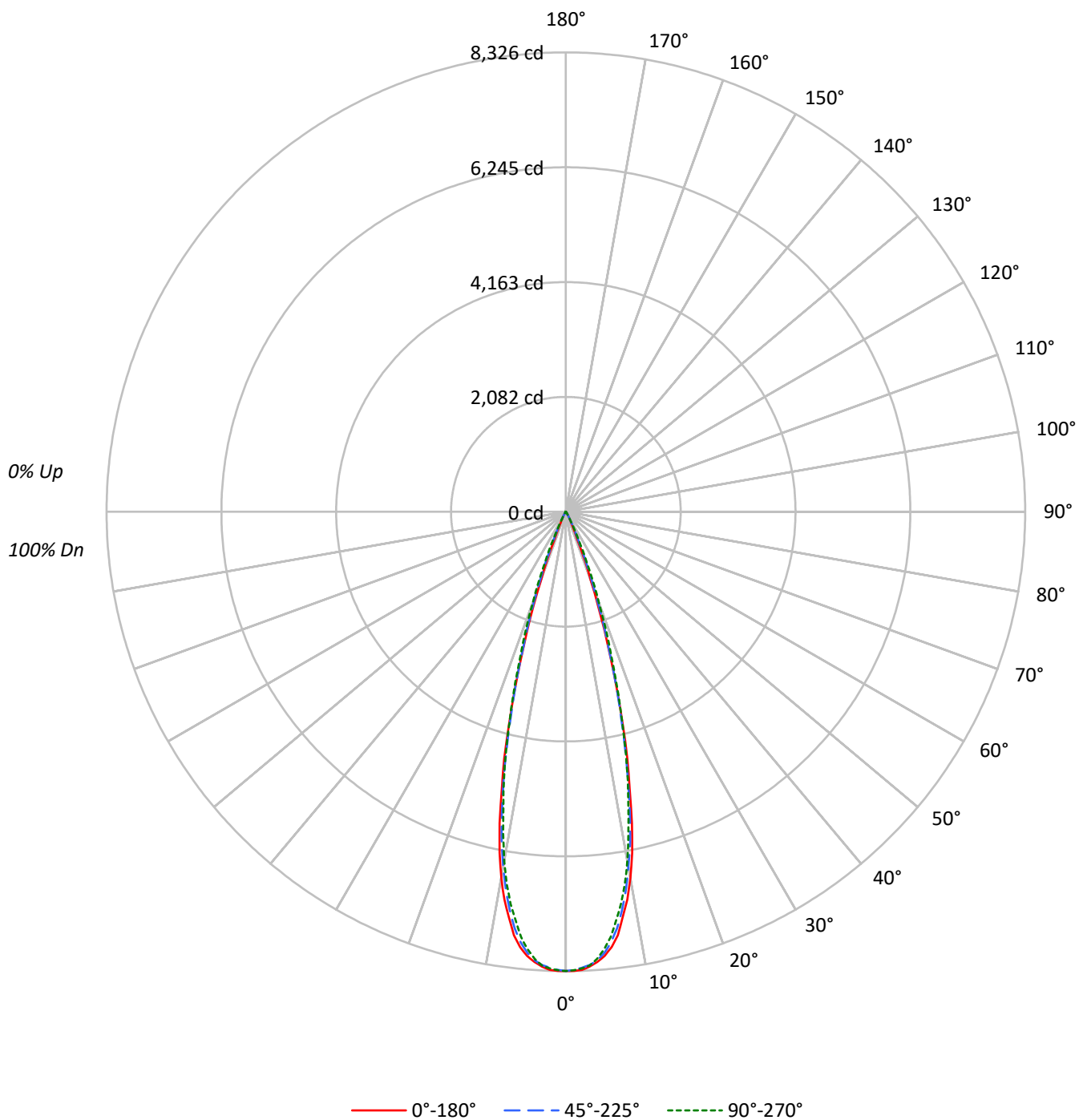
Lumens per Lamp: N/A
Luminaire Lumens: 2017.0 lumens
Efficiency: N/A
Efficacy: 70.0 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1309434

CATALOG NUMBER: P3SQAS20R309035D010 E3SQPH1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1309434

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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	103	102		100
2	112	108	105	103	110	107	104	102	104	101	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	94	92		95	93	91		94
5	102	97	93	90	101	96	93	90	95	91	89		93	90	88		92
6	100	94	90	87	99	93	90	87	92	89	86		91	88	86		90
7	97	91	87	84	96	91	87	84	90	86	84		88	86	83		88
8	95	89	85	82	94	88	84	82	87	84	82		86	83	81		86
9	92	86	82	80	92	86	82	80	85	82	79		84	81	79		84
10	90	84	80	78	90	84	80	78	83	80	77		82	79	77		82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1433616	1433616	1433616
5°	1396719	1387089	1375662
10°	1178705	1142505	1123968
15°	710321	690477	703189
20°	240934	278231	320934
25°	44276	69398	81958
30°	15213	16943	19012
35°	4394	5487	5845
40°	1169	1956	1574
45°	414	414	414
50°	455	0	455
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: 0°

Vertical Angle: 52.5°

Luminance: 481 cd/sqm

TEST NUMBER: P1309434

CATALOG NUMBER: P3SQAS20R309035D010 E3SQPH1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	719.8	35.7
10°-20°	1052.0	52.2
20°-30°	222.6	11.0
30°-40°	20.5	1.0
40°-50°	2.0	0.1
50°-60°	0.1	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°	1994.4	98.9
0°-40°	2014.9	99.9
0°-60°	2017.0	100.0
0°-90°	2017.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2017.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8324	8324	8324	8324	8324	
5°	8079	8063	8023	7999	7957	729
15°	3984	3970	3873	3963	3944	1051
25°	233	261	365	430	431	170
35°	21	26	26	31	28	17
45°	2	2	2	2	2	2
55°	0	0	0	0	0	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: P1309434

CATALOG NUMBER: P3SQAS20R309035D010 E3SQPH1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8324.2	8324.2	8324.2	8324.2	8324.2
1°	8326.0	8317.3	8305.1	8322.5	8310.3
2°	8308.6	8287.7	8270.3	8287.7	8282.5
3°	8256.4	8239.0	8226.9	8235.6	8235.6
4°	8178.2	8159.0	8148.6	8150.3	8124.3
5°	8079.1	8063.4	8023.4	7999.1	7957.3
6°	7933.0	7894.7	7846.0	7806.0	7752.1
7°	7734.7	7675.6	7606.1	7536.5	7468.7
8°	7416.5	7388.7	7294.8	7247.8	7180.0
9°	7117.4	7049.6	6948.7	6872.2	6835.7
10°	6740.1	6639.2	6533.1	6472.3	6427.1
11°	6293.2	6190.6	6105.4	6016.7	5947.1
12°	5768.0	5681.1	5583.7	5524.6	5442.8
13°	5145.5	5133.3	5023.8	5004.6	4994.2
14°	4611.6	4562.9	4455.1	4484.7	4491.6
15°	3983.9	3970.0	3872.6	3963.0	3943.9
17.5°	2495.4	2500.6	2561.4	2704.0	2749.2
20°	1314.6	1354.6	1518.1	1690.2	1751.1
22.5°	532.1	620.8	787.7	904.2	982.5
25°	233.0	260.8	365.2	429.5	431.3
27.5°	132.2	133.9	175.6	182.6	186.1
30°	76.5	78.3	85.2	90.4	95.6
32.5°	41.7	45.2	47.0	53.9	53.9
35°	20.9	26.1	26.1	31.3	27.8
37.5°	12.2	13.9	15.7	15.7	13.9
40°	5.2	7.0	8.7	8.7	7.0
42.5°	1.7	3.5	3.5	3.5	5.2
45°	1.7	1.7	1.7	1.7	1.7
47.5°	1.7	1.7	0.0	1.7	1.7
50°	1.7	0.0	0.0	0.0	1.7
52.5°	1.7	0.0	0.0	0.0	1.7
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: P1309434

CATALOG NUMBER: P3SQAS20R309035D010 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)