

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: P1311309

Luminaire Tested: P3SQAS13R259050DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311309
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: P3SQAS13R259050DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

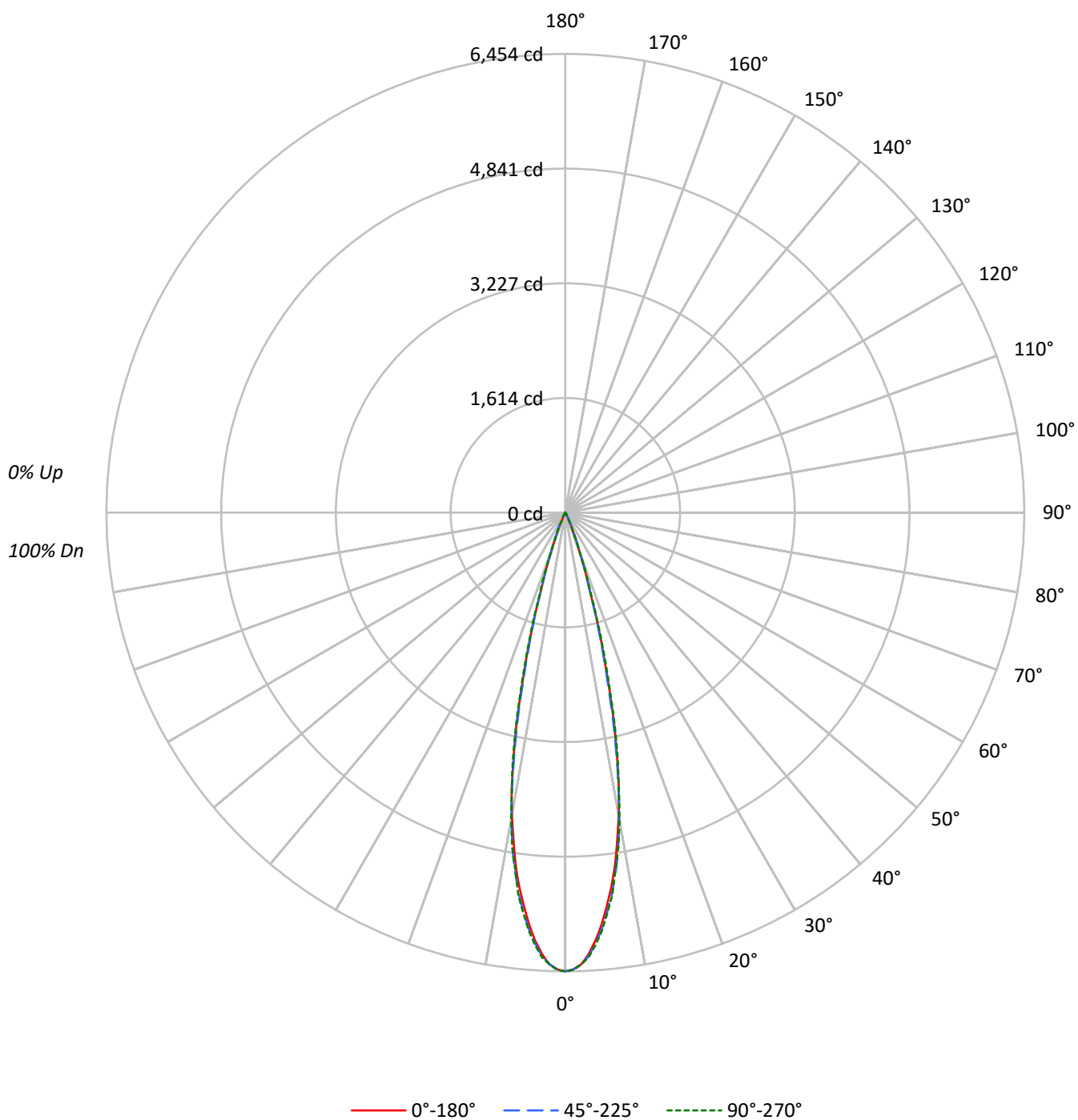
Lumens per Lamp: N/A
Luminaire Lumens: 1191.0 lumens
Efficiency: N/A
Efficacy: 81.6 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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: P1311309

CATALOG NUMBER: P3SQAS13R259050DE010 E3SQPH1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1311309

CATALOG NUMBER: P3SQAS13R259050DE010 E3SQPH1MW

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°	1111439	1111439	1111439
5°	1007167	1016347	1021309
10°	757158	762544	766059
15°	374907	363728	387959
20°	105878	107638	108792
25°	18357	34718	21796
30°	7179	7398	7597
35°	2229	2460	2460
40°	719	944	719
45°	511	268	511
50°	295	0	295
55°	330	0	330
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: 511 cd/sqm

TEST NUMBER: P1311309

CATALOG NUMBER: P3SQAS13R259050DE010 E3SQPH1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	512.7	43.0
10°-20°	578.1	48.5
20°-30°	89.7	7.5
30°-40°	9.1	0.8
40°-50°	1.2	0.1
50°-60°	0.2	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°	1180.5	99.1
0°-40°	1189.6	99.9
0°-60°	1191.0	100.0
0°-90°	1191.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1191.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6454	6454	6454	6454	6454	
5°	5826	5836	5879	5902	5908	508
15°	2103	2088	2040	2131	2176	576
25°	97	143	183	139	115	81
35°	11	12	12	13	12	9
45°	2	1	1	1	2	1
55°	1	0	0	0	1	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	0

TEST NUMBER: P1311309

CATALOG NUMBER: P3SQAS13R259050DE010 E3SQPH1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6453.5	6453.5	6453.5	6453.5	6453.5
1°	6426.9	6435.4	6425.8	6436.5	6435.4
2°	6360.0	6368.5	6356.8	6363.2	6363.2
3°	6223.0	6241.1	6251.7	6259.1	6265.5
4°	6042.5	6062.7	6078.6	6097.7	6097.7
5°	5825.8	5836.5	5878.9	5902.3	5907.6
6°	5567.8	5610.3	5642.1	5688.9	5660.2
7°	5309.7	5344.8	5389.4	5396.8	5417.0
8°	5016.6	5053.8	5095.2	5087.8	5070.8
9°	4659.8	4714.0	4762.8	4746.9	4768.1
10°	4329.6	4362.5	4360.4	4344.4	4380.5
11°	3946.2	3953.6	3912.2	3977.0	3937.7
12°	3491.7	3498.1	3445.0	3508.7	3549.0
13°	3056.3	3041.4	2968.1	3052.0	3103.0
14°	2555.0	2560.4	2466.9	2629.4	2616.6
15°	2102.7	2087.8	2040.0	2131.3	2175.9
17.5°	1120.4	1129.9	1118.2	1163.9	1192.6
20°	577.7	593.6	587.3	606.4	593.6
22.5°	299.5	321.8	328.1	313.3	272.9
25°	96.6	143.4	182.7	139.1	114.7
27.5°	58.4	57.3	89.2	61.6	62.7
30°	36.1	35.0	37.2	37.2	38.2
32.5°	20.2	21.2	20.2	22.3	21.2
35°	10.6	11.7	11.7	12.7	11.7
37.5°	6.4	7.4	7.4	7.4	6.4
40°	3.2	4.2	4.2	3.2	3.2
42.5°	2.1	2.1	2.1	2.1	2.1
45°	2.1	1.1	1.1	1.1	2.1
47.5°	1.1	1.1	0.0	1.1	1.1
50°	1.1	1.1	0.0	1.1	1.1
52.5°	1.1	0.0	0.0	0.0	1.1
55°	1.1	0.0	0.0	0.0	1.1
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: P1311309

CATALOG NUMBER: P3SQAS13R259050DE010 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)