

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: P1311306

Luminaire Tested: P3SQAS13R259050DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311306
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-35)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R259050DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

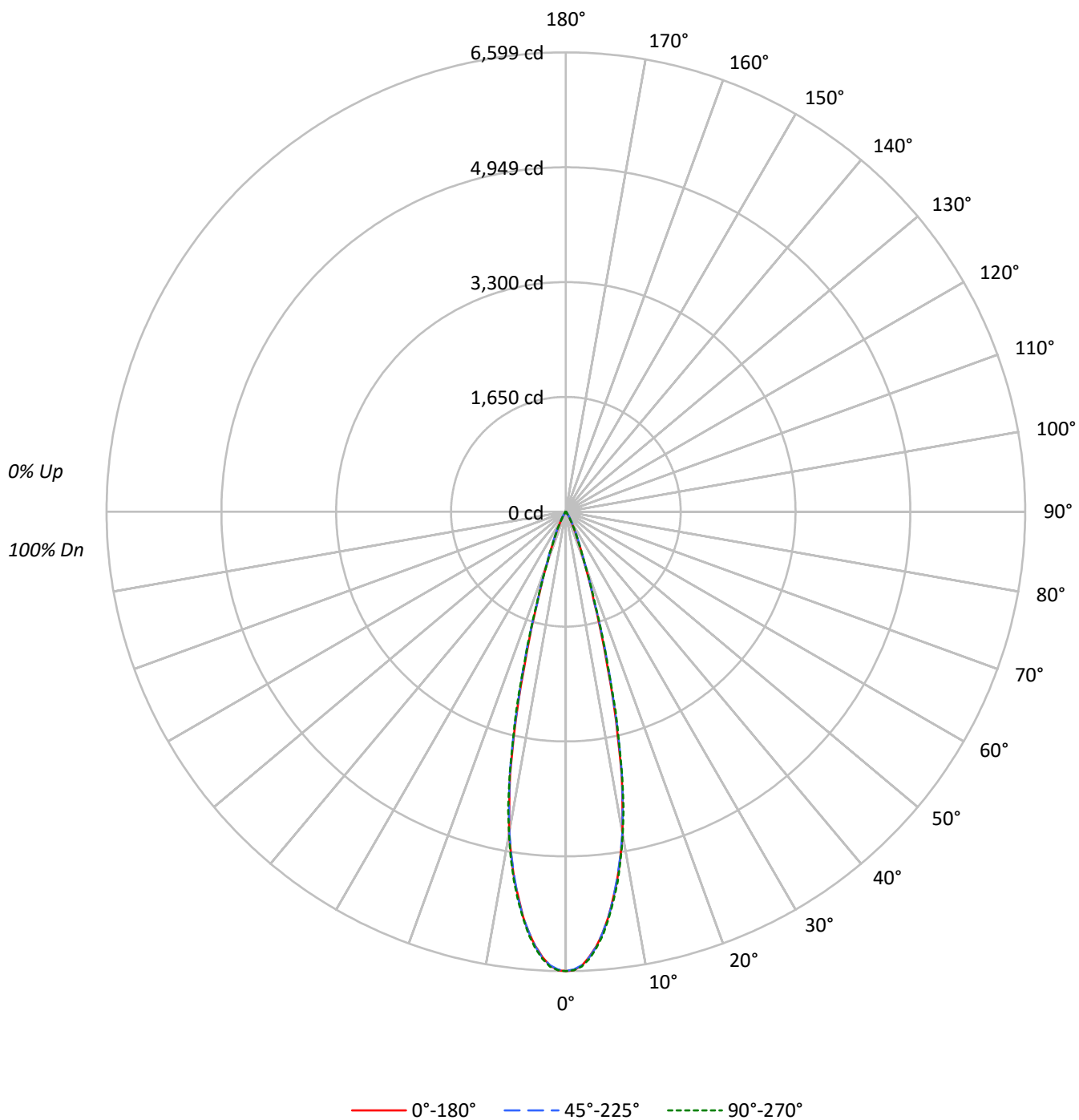
Lumens per Lamp: N/A
Luminaire Lumens: 1394.0 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1311306

CATALOG NUMBER: P3SQAS13R259050DE010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1311306

CATALOG NUMBER: P3SQAS13R259050DE010 E3SQCD1MW

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	99
1	115	113	111	110	113	111	109	108	107	106	105	103	102	102	100	99	99	97	97	97
2	112	108	105	103	110	107	104	102	103	101	100	101	99	97	98	97	95	94	94	94
3	108	104	100	98	107	103	99	97	100	98	95	98	96	94	96	94	93	91	91	91
4	105	100	96	93	104	99	96	93	97	94	92	95	93	91	94	92	90	89	89	89
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	91	89	87	86	86	86
6	100	94	90	87	98	93	89	87	92	88	86	90	88	86	89	87	85	84	84	84
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	82	82	82
8	95	88	84	82	94	88	84	82	87	84	81	86	83	81	85	83	81	80	80	80
9	92	86	82	80	91	86	82	79	85	82	79	84	81	79	83	81	79	78	78	78
10	90	84	80	78	89	84	80	77	83	80	77	82	79	77	82	79	77	76	76	76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1136446	1136446	1136446
5°	1049696	1049333	1055193
10°	819957	817736	823315
15°	412510	429734	429359
20°	141140	145044	142698
25°	56723	63792	59136
30°	23029	27463	22392
35°	6707	12068	6707
40°	3103	5261	3103
45°	1023	2070	1023
50°	563	857	563
55°	631	631	631
60°	723	723	723
65°	448	448	448
70°	554	554	554
75°	732	732	732
80°	0	1091	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2070 cd/sqm

TEST NUMBER: P1311306

CATALOG NUMBER: P3SQAS13R259050DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	535.3	38.4
10°-20°	655.2	47.0
20°-30°	160.1	11.5
30°-40°	33.1	2.4
40°-50°	5.8	0.4
50°-60°	1.9	0.1
60°-70°	1.5	0.1
70°-80°	1.1	0.1
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°	1350.6	96.9
0°-40°	1383.7	99.3
0°-60°	1391.4	99.8
0°-90°	1394.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1394.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6599	6599	6599	6599	6599	
5°	6072	6077	6070	6082	6104	535
15°	2314	2353	2410	2421	2408	646
25°	298	312	336	316	311	153
35°	32	45	57	44	32	27
45°	4	6	8	6	4	4
55°	2	2	2	2	2	2
65°	1	2	1	1	1	1
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1311306

CATALOG NUMBER: P3SQAS13R259050DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6598.7	6598.7	6598.7	6598.7	6598.7
1°	6585.9	6577.4	6575.3	6576.3	6587.0
2°	6526.4	6521.1	6520.0	6523.2	6538.1
3°	6405.3	6411.7	6413.8	6424.4	6431.9
4°	6256.6	6269.4	6264.0	6276.8	6285.3
5°	6071.8	6077.1	6069.7	6082.4	6103.6
6°	5856.1	5837.0	5855.1	5860.4	5875.3
7°	5587.4	5591.6	5598.0	5604.4	5626.7
8°	5322.9	5310.2	5307.0	5336.7	5354.8
9°	5013.8	5015.9	5004.2	5038.2	5043.5
10°	4688.7	4662.2	4676.0	4702.5	4707.9
11°	4259.6	4252.2	4272.3	4313.8	4346.7
12°	3857.0	3861.3	3882.5	3896.3	3888.9
13°	3324.8	3356.7	3383.2	3397.1	3379.0
14°	2843.6	2843.6	2877.6	2882.9	2947.7
15°	2313.6	2352.9	2410.2	2420.9	2408.1
17.5°	1336.3	1341.6	1369.2	1368.2	1388.4
20°	770.1	777.6	791.4	788.2	778.6
22.5°	463.1	479.1	512.0	485.4	478.0
25°	298.5	312.3	335.7	316.5	311.2
27.5°	187.0	196.5	214.6	197.6	189.1
30°	115.8	121.1	138.1	122.2	112.6
32.5°	62.7	76.5	90.3	76.5	62.7
35°	31.9	44.6	57.4	43.6	31.9
37.5°	21.2	25.5	37.2	24.4	21.2
40°	13.8	17.0	23.4	17.0	13.8
42.5°	7.4	10.6	12.7	11.7	7.4
45°	4.2	6.4	8.5	6.4	4.2
47.5°	3.2	3.2	5.3	3.2	2.1
50°	2.1	2.1	3.2	2.1	2.1
52.5°	2.1	2.1	2.1	2.1	2.1
55°	2.1	2.1	2.1	2.1	2.1
57.5°	2.1	2.1	2.1	2.1	2.1
60°	2.1	2.1	2.1	2.1	2.1
62.5°	2.1	2.1	2.1	2.1	2.1
65°	1.1	2.1	1.1	1.1	1.1
67.5°	1.1	1.1	1.1	1.1	1.1
70°	1.1	1.1	1.1	1.1	1.1
72.5°	1.1	1.1	1.1	1.1	1.1
75°	1.1	1.1	1.1	1.1	1.1
77.5°	1.1	1.1	1.1	1.1	1.1
80°	0.0	0.0	1.1	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: P1311306

CATALOG NUMBER: P3SQAS13R259050DE010 E3SQCD1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)