

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: P1314388

Luminaire Tested: P3SQAS13R309735DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314388
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: P3SQAS13R309735DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

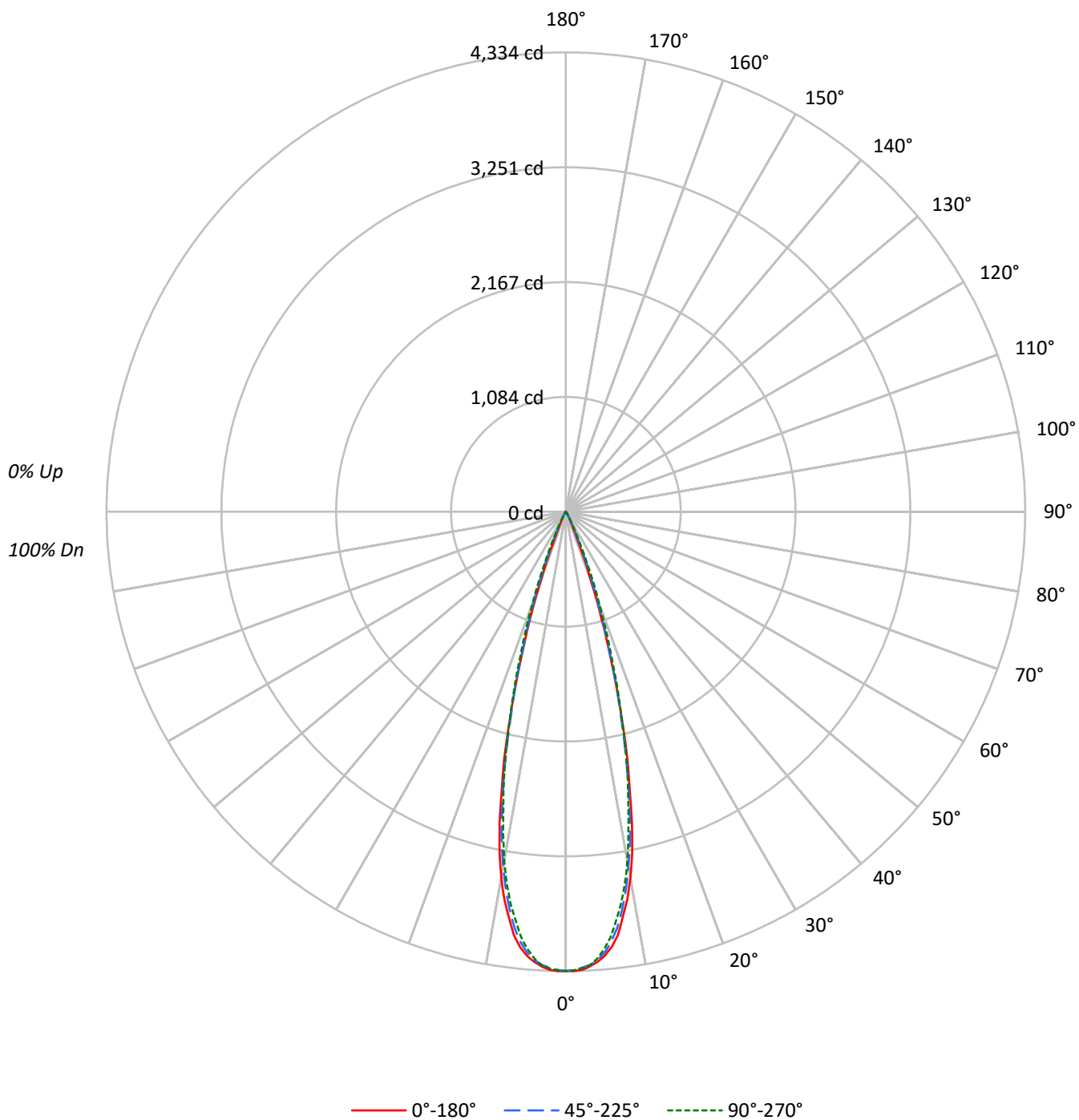
Lumens per Lamp: N/A
Luminaire Lumens: 1050.0 lumens
Efficiency: N/A
Efficacy: 71.9 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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Luminous Intensity Polar Plot



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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°	746310	746310	746310
5°	727101	722087	716140
10°	613600	594765	585112
15°	369772	359449	366064
20°	125434	144843	167074
25°	23050	36124	42661
30°	7915	8830	9904
35°	2292	2859	3049
40°	607	1012	809
45°	219	219	219
50°	241	0	241
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: 255 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	374.7	35.7
10°-20°	547.6	52.2
20°-30°	115.9	11.0
30°-40°	10.7	1.0
40°-50°	1.0	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°	1038.2	98.9
0°-40°	1048.9	99.9
0°-60°	1050.0	100.0
0°-90°	1050.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1050.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4333	4333	4333	4333	4333	
5°	4206	4198	4177	4164	4142	380
15°	2074	2067	2016	2063	2053	547
25°	121	136	190	224	224	88
35°	11	14	14	16	14	9
45°	1	1	1	1	1	1
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	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4333.4	4333.4	4333.4	4333.4	4333.4
1°	4334.3	4329.8	4323.4	4332.5	4326.2
2°	4325.2	4314.4	4305.3	4314.4	4311.7
3°	4298.1	4289.0	4282.7	4287.2	4287.2
4°	4257.4	4247.4	4242.0	4242.9	4229.3
5°	4205.8	4197.6	4176.8	4164.1	4142.4
6°	4129.7	4109.8	4084.5	4063.6	4035.6
7°	4026.5	3995.7	3959.5	3923.3	3888.0
8°	3860.9	3846.4	3797.5	3773.0	3737.7
9°	3705.2	3669.8	3617.3	3577.5	3558.5
10°	3508.7	3456.2	3401.0	3369.3	3345.8
11°	3276.1	3222.7	3178.3	3132.1	3095.9
12°	3002.7	2957.4	2906.7	2876.0	2833.4
13°	2678.6	2672.3	2615.2	2605.3	2599.9
14°	2400.7	2375.4	2319.2	2334.6	2338.2
15°	2073.9	2066.7	2016.0	2063.0	2053.1
17.5°	1299.0	1301.7	1333.4	1407.7	1431.2
20°	684.4	705.2	790.3	879.9	911.6
22.5°	277.0	323.2	410.1	470.7	511.5
25°	121.3	135.8	190.1	223.6	224.5
27.5°	68.8	69.7	91.4	95.1	96.9
30°	39.8	40.7	44.4	47.1	49.8
32.5°	21.7	23.5	24.4	28.1	28.1
35°	10.9	13.6	13.6	16.3	14.5
37.5°	6.3	7.2	8.1	8.1	7.2
40°	2.7	3.6	4.5	4.5	3.6
42.5°	0.9	1.8	1.8	1.8	2.7
45°	0.9	0.9	0.9	0.9	0.9
47.5°	0.9	0.9	0.0	0.9	0.9
50°	0.9	0.0	0.0	0.0	0.9
52.5°	0.9	0.0	0.0	0.0	0.9
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



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)