

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: P1316668

Luminaire Tested: P3SQAS02R259830DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316668
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: P3SQAS02R259830DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

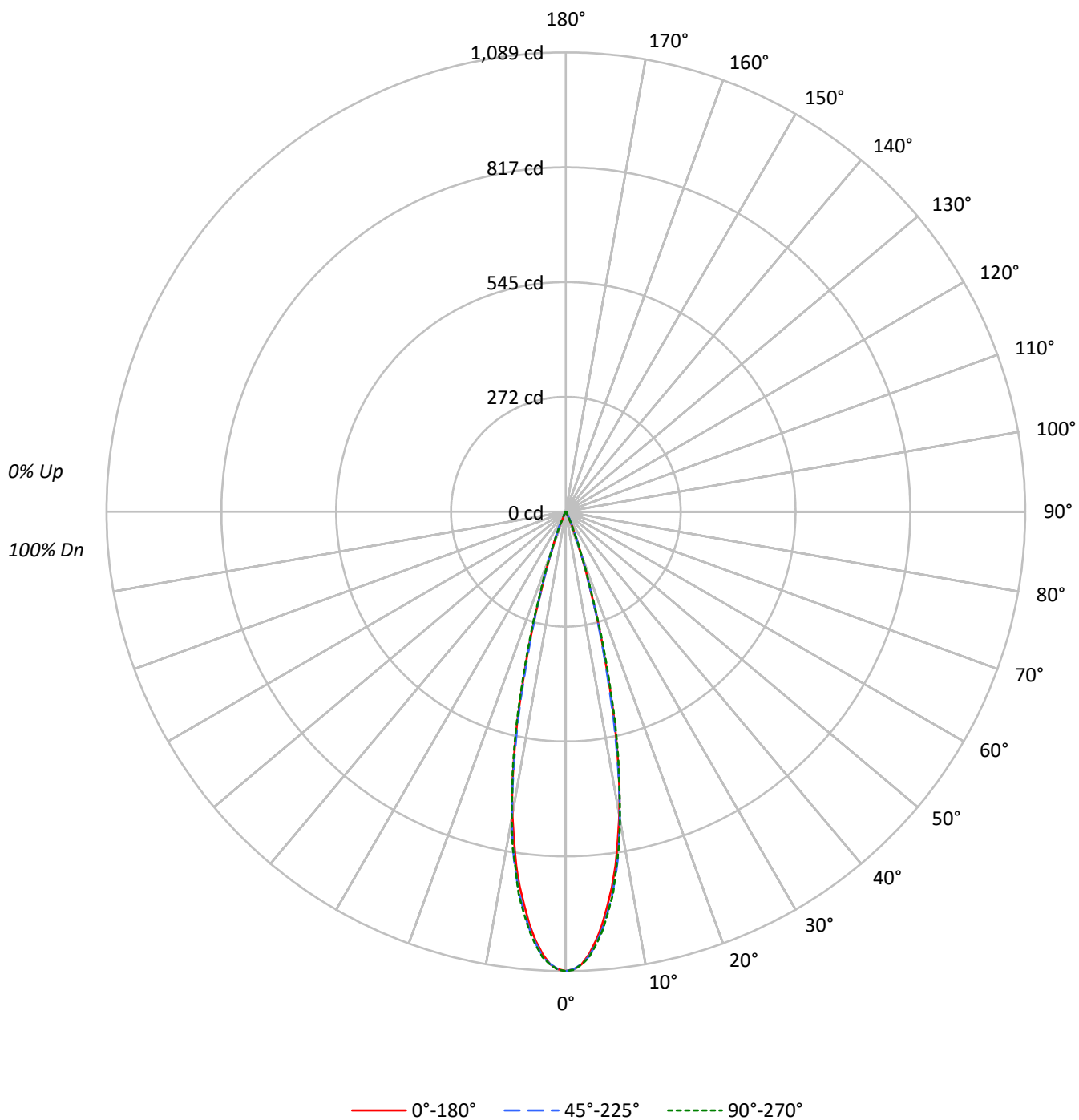
Lumens per Lamp: N/A
Luminaire Lumens: 201.0 lumens
Efficiency: N/A
Efficacy: 55.8 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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				0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		0
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		100
1	115	113	112	110	113	111	110	108	107	106	105		104	103	102		97
2	112	109	106	104	110	107	105	103	104	102	101		101	100	98		95
3	109	105	102	99	107	104	101	98	101	99	97		99	97	95		93
4	106	101	98	95	105	100	97	95	99	96	94		97	94	93		91
5	104	98	95	92	102	98	94	92	96	93	91		95	92	90		88
6	101	96	92	89	100	95	92	89	94	91	88		93	90	88		86
7	99	93	89	87	98	93	89	87	92	89	86		91	88	86		85
8	97	91	87	85	96	90	87	85	90	86	84		89	86	84		83
9	95	89	85	83	94	88	85	83	88	85	82		87	84	82		81
10	93	87	83	81	92	86	83	81	86	83	81		85	82	80		80

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	187568	187568	187568
5°	169976	171532	172362
10°	127784	128694	129288
15°	63278	61388	65471
20°	17869	18163	18364
25°	3097	5853	3687
30°	1213	1253	1293
35°	378	420	420
40°	112	157	112
45°	97	49	97
50°	54	0	54
55°	60	0	60
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: 97 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.5	43.0
10°-20°	97.6	48.5
20°-30°	15.1	7.5
30°-40°	1.5	0.8
40°-50°	0.2	0.1
50°-60°	0.0	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°	199.2	99.1
0°-40°	200.8	99.9
0°-60°	201.0	100.0
0°-90°	201.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	201.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1089	1089	1089	1089	1089	
5°	983	985	992	996	997	86
15°	355	352	344	360	367	97
25°	16	24	31	24	19	14
35°	2	2	2	2	2	1
45°	0	0	0	0	0	0
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1089.1	1089.1	1089.1	1089.1	1089.1
1°	1084.6	1086.1	1084.5	1086.3	1086.1
2°	1073.4	1074.8	1072.8	1073.9	1073.9
3°	1050.2	1053.3	1055.1	1056.3	1057.4
4°	1019.8	1023.2	1025.9	1029.1	1029.1
5°	983.2	985.0	992.2	996.1	997.0
6°	939.7	946.8	952.2	960.1	955.2
7°	896.1	902.0	909.5	910.8	914.2
8°	846.6	852.9	859.9	858.6	855.8
9°	786.4	795.6	803.8	801.1	804.7
10°	730.7	736.2	735.9	733.2	739.3
11°	666.0	667.2	660.2	671.2	664.5
12°	589.3	590.4	581.4	592.1	599.0
13°	515.8	513.3	500.9	515.1	523.7
14°	431.2	432.1	416.3	443.7	441.6
15°	354.9	352.3	344.3	359.7	367.2
17.5°	189.1	190.7	188.7	196.4	201.3
20°	97.5	100.2	99.1	102.3	100.2
22.5°	50.5	54.3	55.4	52.9	46.1
25°	16.3	24.2	30.8	23.5	19.4
27.5°	9.9	9.7	15.1	10.4	10.6
30°	6.1	5.9	6.3	6.3	6.5
32.5°	3.4	3.6	3.4	3.8	3.6
35°	1.8	2.0	2.0	2.2	2.0
37.5°	1.1	1.3	1.3	1.3	1.1
40°	0.5	0.7	0.7	0.5	0.5
42.5°	0.4	0.4	0.4	0.4	0.4
45°	0.4	0.2	0.2	0.2	0.4
47.5°	0.2	0.2	0.0	0.2	0.2
50°	0.2	0.2	0.0	0.2	0.2
52.5°	0.2	0.0	0.0	0.0	0.2
55°	0.2	0.0	0.0	0.0	0.2
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)