

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: P1316665

Luminaire Tested: P3SQAS02R259830DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316665
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: P3SQAS02R259830DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

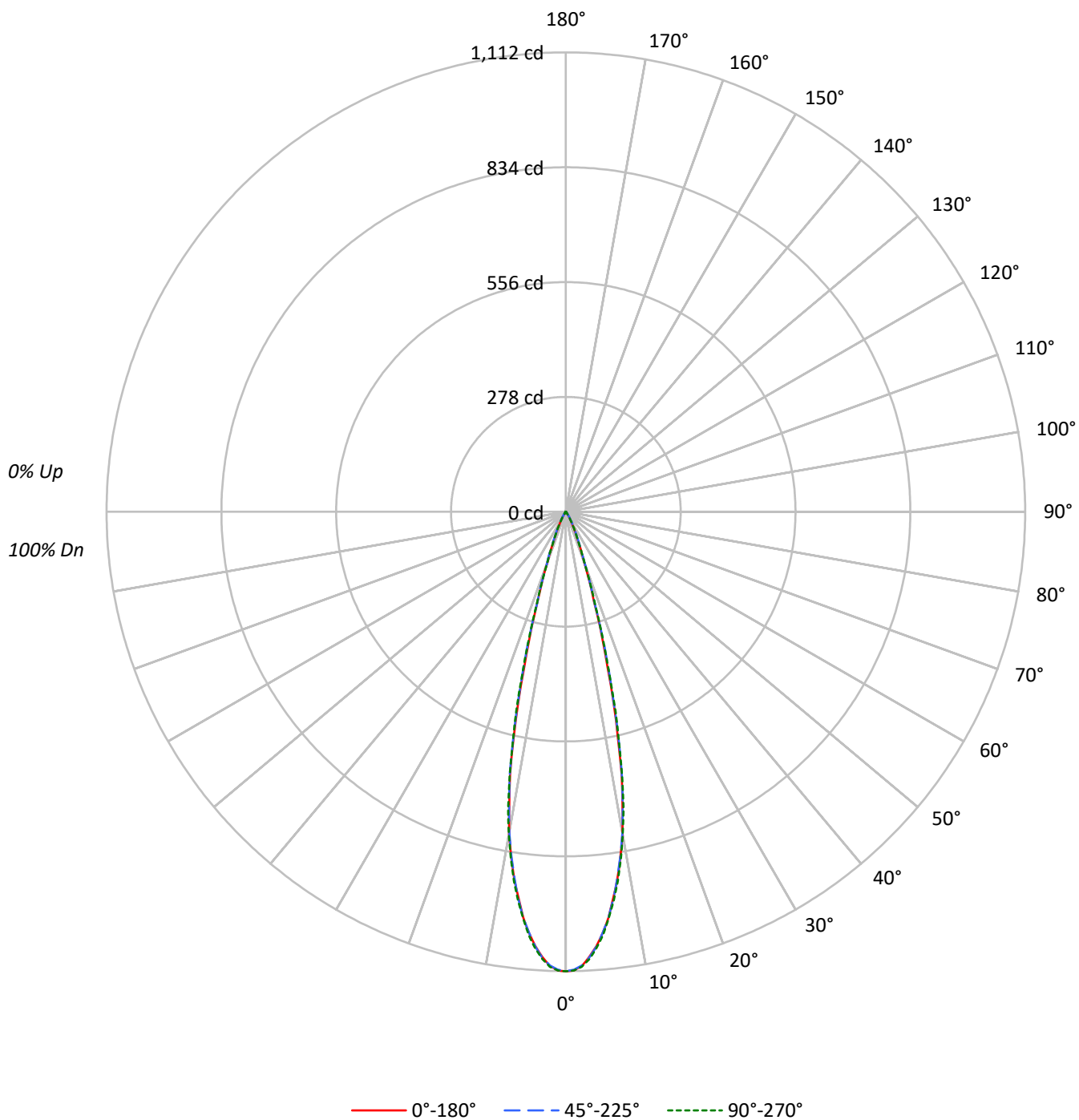
Lumens per Lamp: N/A
Luminaire Lumens: 235.1 lumens
Efficiency: N/A
Efficacy: 65.3 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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				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	102	102		100
2	112	108	105	103	110	106	104	102	103	101	100		101	99	97		98
3	108	104	100	98	107	103	99	97	100	98	95		98	96	94		96
4	105	100	96	93	104	99	96	93	97	94	92		95	93	91		94
5	102	97	93	90	101	96	92	90	94	91	89		93	90	88		91
6	100	94	90	87	98	93	89	87	92	88	86		90	88	86		89
7	97	91	87	84	96	90	87	84	89	86	84		88	85	83		87
8	95	88	84	82	94	88	84	82	87	84	81		86	83	81		85
9	92	86	82	80	91	86	82	79	85	82	79		84	81	79		83
10	90	84	80	78	89	83	80	77	83	80	77		82	79	77		82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	191580	191580	191580
5°	176960	176891	177894
10°	138225	137857	138784
15°	69536	72442	72389
20°	23789	24449	24064
25°	9558	10756	9976
30°	3878	4634	3778
35°	1135	2039	1135
40°	517	877	517
45°	170	341	170
50°	107	134	107
55°	120	120	120
60°	138	138	138
65°	82	82	82
70°	101	101	101
75°	133	133	133
80°	0	198	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 341 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.2	38.4
10°-20°	110.5	47.0
20°-30°	27.0	11.5
30°-40°	5.6	2.4
40°-50°	1.0	0.4
50°-60°	0.4	0.2
60°-70°	0.3	0.1
70°-80°	0.2	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°	227.7	96.9
0°-40°	233.3	99.2
0°-60°	234.6	99.8
0°-90°	235.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	235.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1112	1112	1112	1112	1112	
5°	1024	1024	1023	1025	1029	90
15°	390	397	406	408	406	109
25°	50	53	57	53	52	26
35°	5	8	10	7	5	5
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1112.4	1112.4	1112.4	1112.4	1112.4
1°	1110.2	1108.8	1108.5	1108.6	1110.4
2°	1100.2	1099.3	1099.1	1099.7	1102.2
3°	1079.8	1080.9	1081.2	1083.0	1084.3
4°	1054.7	1056.9	1056.0	1058.1	1059.6
5°	1023.6	1024.5	1023.2	1025.4	1029.0
6°	987.2	984.0	987.0	987.9	990.4
7°	941.9	942.6	943.7	944.8	948.5
8°	897.3	895.2	894.6	899.7	902.7
9°	845.2	845.6	843.6	849.3	850.2
10°	790.4	785.9	788.3	792.8	793.6
11°	718.1	716.8	720.2	727.2	732.8
12°	650.2	650.9	654.5	656.8	655.6
13°	560.5	565.9	570.3	572.7	569.6
14°	479.4	479.4	485.1	486.0	496.9
15°	390.0	396.6	406.3	408.1	406.0
17.5°	225.3	226.2	230.8	230.6	234.0
20°	129.8	131.1	133.4	132.9	131.3
22.5°	78.1	80.8	86.3	81.8	80.6
25°	50.3	52.6	56.6	53.4	52.5
27.5°	31.5	33.1	36.2	33.3	31.9
30°	19.5	20.4	23.3	20.6	19.0
32.5°	10.6	12.9	15.2	12.9	10.6
35°	5.4	7.5	9.7	7.3	5.4
37.5°	3.6	4.3	6.3	4.1	3.6
40°	2.3	2.9	3.9	2.9	2.3
42.5°	1.3	1.8	2.1	2.0	1.3
45°	0.7	1.1	1.4	1.1	0.7
47.5°	0.5	0.5	0.9	0.5	0.4
50°	0.4	0.4	0.5	0.4	0.4
52.5°	0.4	0.4	0.4	0.4	0.4
55°	0.4	0.4	0.4	0.4	0.4
57.5°	0.4	0.4	0.4	0.4	0.4
60°	0.4	0.4	0.4	0.4	0.4
62.5°	0.4	0.4	0.4	0.4	0.4
65°	0.2	0.4	0.2	0.2	0.2
67.5°	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2
80°	0.0	0.0	0.2	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)