

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: P1314898

Luminaire Tested: P3SQAS02R409740DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314898
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R409740DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

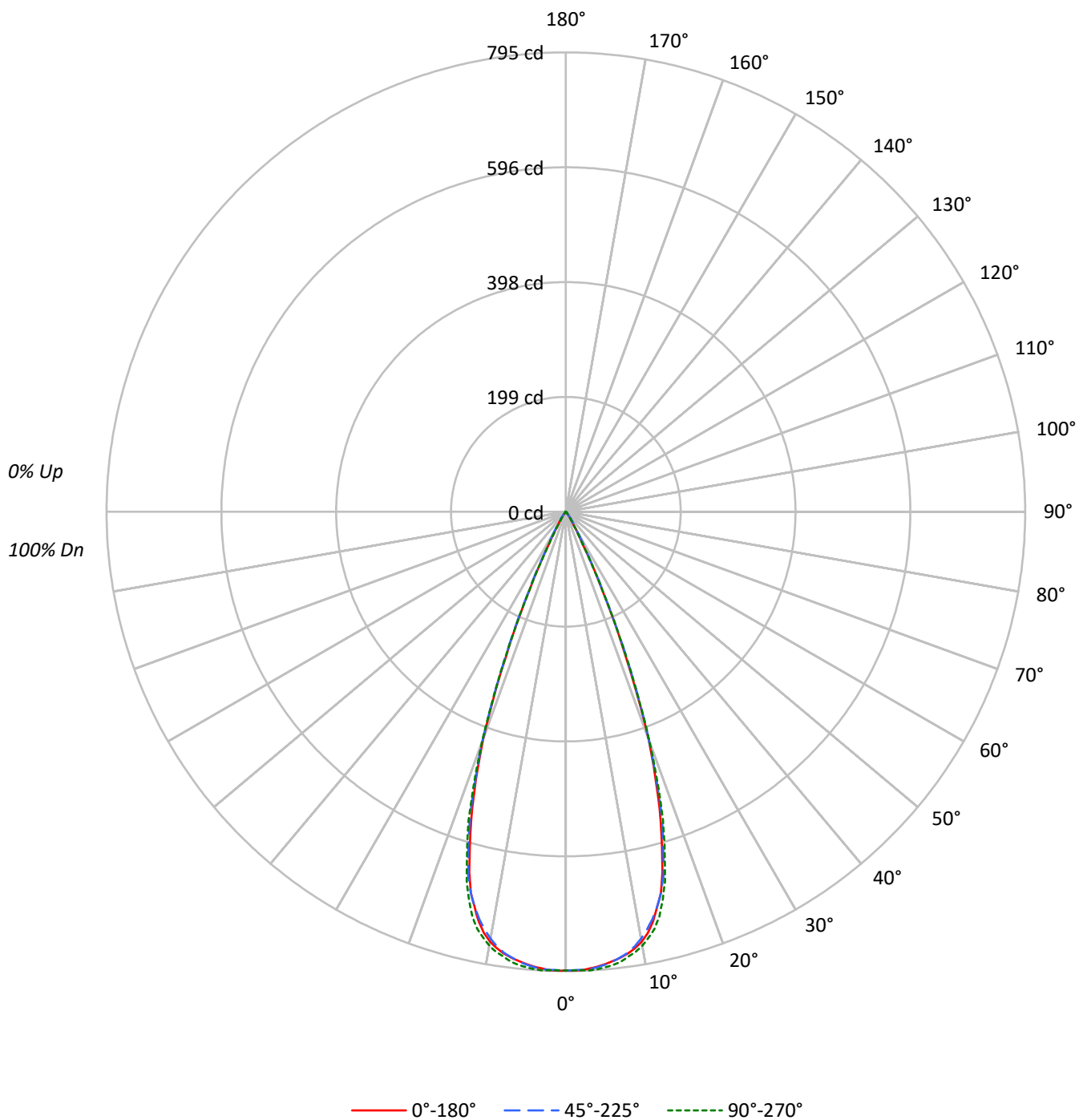
Lumens per Lamp: N/A
Luminaire Lumens: 336.0 lumens
Efficiency: N/A
Efficacy: 93.3 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	112	110	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		96
3	107	102	98	95	105	100	97	94	98	95	93		96	93	91		93
4	103	97	93	90	101	96	92	89	94	91	88		92	89	87		91
5	99	93	89	85	98	92	88	85	91	87	84		89	86	84		88
6	96	89	85	82	95	89	84	81	87	84	81		86	83	80		85
7	93	86	81	78	92	85	81	78	84	80	78		83	80	77		82
8	90	83	78	75	89	82	78	75	81	77	75		80	77	74		80
9	87	80	75	72	86	79	75	72	79	75	72		78	74	72		77
10	84	77	73	70	84	77	73	70	76	72	70		75	72	69		75

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	136728	136728	136728
5°	135815	136022	136766
10°	132139	131160	133346
15°	115145	116322	118122
20°	76701	77086	77819
25°	27877	28732	28010
30°	5926	7935	5926
35°	2081	3532	1997
40°	742	1124	742
45°	170	463	170
50°	134	188	134
55°	150	150	150
60°	172	172	172
65°	82	204	82
70°	101	101	101
75°	133	133	133
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 463 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.2	22.1
10°-20°	172.9	51.5
20°-30°	77.8	23.2
30°-40°	8.9	2.6
40°-50°	1.3	0.4
50°-60°	0.5	0.1
60°-70°	0.4	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°	324.9	96.7
0°-40°	333.7	99.3
0°-60°	335.5	99.8
0°-90°	336.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	336.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	794	794	794	794	794	
5°	786	785	787	790	791	74
15°	646	647	652	658	662	171
25°	147	148	151	151	147	76
35°	10	11	17	11	10	7
45°	1	1	2	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°	793.9	793.9	793.9	793.9	793.9
1°	794.4	793.7	793.4	794.8	793.7
2°	793.7	793.2	793.4	794.8	793.9
3°	791.5	791.8	792.5	795.1	794.8
4°	788.9	788.7	790.1	793.4	793.4
5°	785.6	784.7	786.8	790.4	791.1
6°	781.8	780.7	782.3	786.8	788.5
7°	777.6	775.2	776.7	782.1	784.2
8°	771.9	768.9	770.5	775.9	777.6
9°	764.8	760.1	761.5	768.1	771.5
10°	755.6	749.7	750.0	757.3	762.5
11°	742.6	736.0	736.2	745.5	750.9
12°	725.4	719.5	720.7	729.2	737.9
13°	702.0	700.3	701.7	711.0	719.0
14°	679.3	677.6	680.2	688.8	692.5
15°	645.8	647.4	652.4	657.6	662.5
17.5°	539.4	545.8	551.7	555.3	559.5
20°	418.5	411.1	420.6	416.3	424.6
22.5°	270.1	275.5	277.9	275.5	276.4
25°	146.7	147.7	151.2	151.2	147.4
27.5°	62.4	67.3	71.8	70.2	62.4
30°	29.8	34.3	39.9	34.5	29.8
32.5°	16.8	19.8	25.8	19.4	16.3
35°	9.9	11.1	16.8	10.6	9.5
37.5°	5.9	6.1	9.2	6.4	5.7
40°	3.3	4.0	5.0	4.0	3.3
42.5°	1.7	2.4	3.1	2.4	1.7
45°	0.7	1.2	1.9	1.2	0.7
47.5°	0.7	0.7	1.2	0.7	0.7
50°	0.5	0.5	0.7	0.5	0.5
52.5°	0.5	0.5	0.5	0.5	0.5
55°	0.5	0.5	0.5	0.5	0.5
57.5°	0.5	0.5	0.5	0.5	0.5
60°	0.5	0.5	0.5	0.5	0.5
62.5°	0.5	0.5	0.5	0.5	0.5
65°	0.2	0.5	0.5	0.5	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	0.0	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)