

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: P1317591

Luminaire Tested: P3SQAS02R409835DE010 E3SQCD1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317591
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R409835DE010 E3SQCD1MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 98CRI , E3SQCD1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

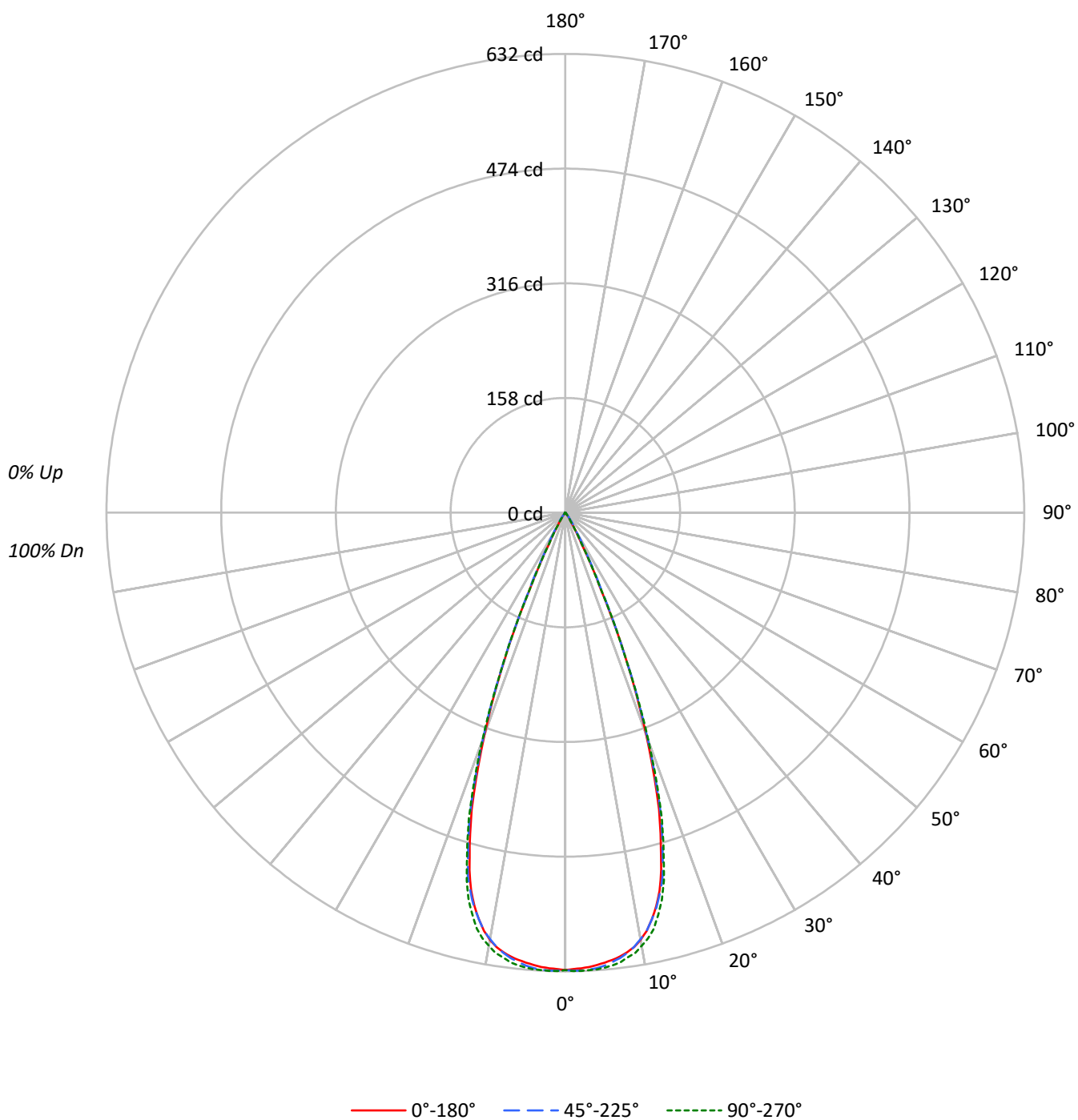
Lumens per Lamp: N/A
Luminaire Lumens: 265.0 lumens
Efficiency: N/A
Efficacy: 73.6 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1317591

CATALOG NUMBER: P3SQAS02R409835DE010 E3SQCD1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1317591

CATALOG NUMBER: P3SQAS02R409835DE010 E3SQCD1MMS

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	108535	108535	108535
5°	107584	108275	108776
10°	104525	104333	105959
15°	90932	92394	93535
20°	59675	60847	61636
25°	21283	22518	21169
30°	4634	6264	4673
35°	1493	2586	1451
40°	472	787	427
45°	49	268	49
50°	0	54	0
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: 45°

Vertical Angle: 45°

Luminance: 268 cd/sqm

TEST NUMBER: P1317591

CATALOG NUMBER: P3SQAS02R409835DE010 E3SQCD1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.9	22.2
10°-20°	137.2	51.8
20°-30°	61.6	23.2
30°-40°	6.6	2.5
40°-50°	0.6	0.2
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°	257.7	97.3
0°-40°	264.4	99.8
0°-60°	265.0	100.0
0°-90°	265.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	265.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	630	630	630	630	630	
5°	622	624	626	627	629	59
15°	510	514	518	521	525	136
25°	112	115	118	120	111	60
35°	7	8	12	8	7	6
45°	0	0	1	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	

TEST NUMBER: P1317591

CATALOG NUMBER: P3SQAS02R409835DE010 E3SQCD1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	630.2	630.2	630.2	630.2	630.2
1°	628.9	630.2	631.3	630.4	631.7
2°	628.3	629.8	631.5	630.6	631.7
3°	626.8	628.7	630.6	630.0	631.1
4°	624.8	626.3	629.1	629.1	630.7
5°	622.3	624.0	626.3	627.2	629.2
6°	619.7	620.7	622.3	624.2	627.0
7°	616.4	616.4	618.4	620.3	624.0
8°	611.7	611.3	612.8	615.2	618.6
9°	605.9	604.6	605.7	609.3	614.3
10°	597.7	596.6	596.6	601.1	605.9
11°	587.1	586.7	586.9	591.2	597.7
12°	572.7	573.1	573.1	577.9	586.0
13°	556.5	556.3	558.0	563.4	568.8
14°	536.7	537.8	539.5	544.3	549.9
15°	510.0	513.7	518.2	521.2	524.6
17.5°	428.8	432.6	438.7	441.1	441.9
20°	325.6	331.0	332.0	336.8	336.3
22.5°	218.3	218.0	218.7	219.3	219.5
25°	112.0	115.3	118.5	120.5	111.4
27.5°	48.7	54.5	58.6	53.2	49.3
30°	23.3	26.5	31.5	26.7	23.5
32.5°	12.7	14.7	20.0	14.6	12.5
35°	7.1	8.2	12.3	8.0	6.9
37.5°	4.1	4.5	6.7	4.5	3.9
40°	2.1	2.6	3.5	2.6	1.9
42.5°	0.7	1.3	1.9	1.3	0.7
45°	0.2	0.4	1.1	0.4	0.2
47.5°	0.0	0.0	0.6	0.0	0.0
50°	0.0	0.0	0.2	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
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



TEST NUMBER: P1317591

CATALOG NUMBER: P3SQAS02R409835DE010 E3SQCD1MMS

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)