

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: P1315823

Luminaire Tested: P3SQAS02R359827DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315823
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R359827DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

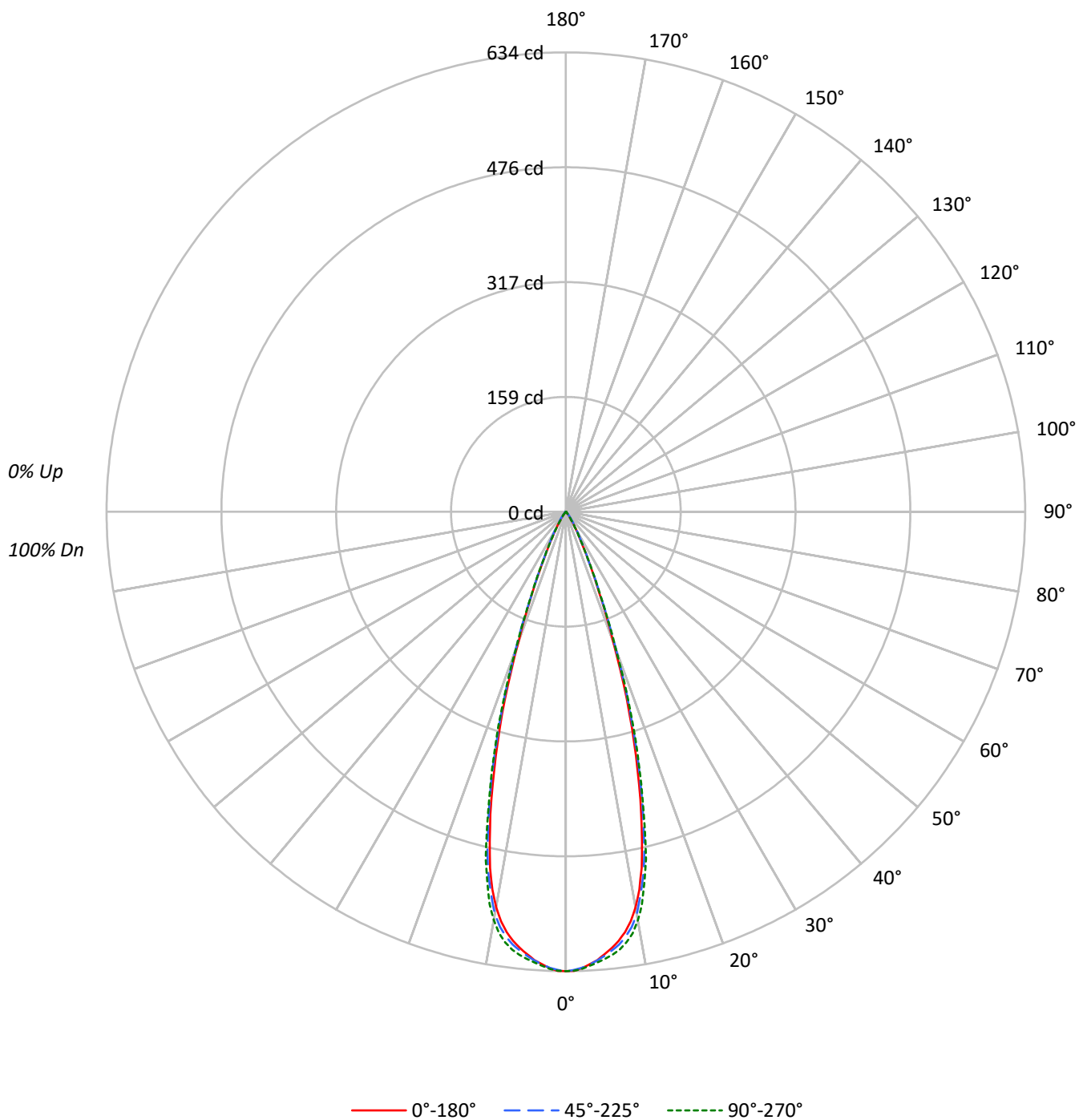
Lumens per Lamp: N/A
Luminaire Lumens: 213.0 lumens
Efficiency: N/A
Efficacy: 59.2 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	50	30	10	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		102	102	102	100
1	115	113	111	109	112	110	109	107	106	105	104		103	102	101		99	99	98	96
2	111	107	104	101	109	105	103	100	102	100	98		99	98	96		97	95	94	93
3	107	102	98	95	105	101	97	95	98	96	93		96	94	92		94	92	90	89
4	103	98	94	91	102	97	93	90	95	92	89		93	90	88		91	89	87	86
5	100	94	90	86	99	93	89	86	91	88	85		90	87	85		89	86	84	83
6	97	90	86	83	96	90	86	83	88	85	82		87	84	82		86	83	81	80
7	94	87	83	80	93	87	82	79	85	82	79		84	81	79		83	81	78	77
8	91	84	80	77	90	84	79	77	83	79	76		82	78	76		81	78	76	75
9	88	81	77	74	88	81	77	74	80	76	74		79	76	74		79	76	73	72
10	86	79	75	72	85	78	74	72	78	74	71		77	74	71		76	73	71	70

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	109206	109206	109206
5°	105976	106356	107065
10°	96936	98632	100136
15°	69590	72139	72870
20°	35006	37040	37132
25°	13264	13682	13739
30°	5389	6185	5290
35°	1955	2964	1892
40°	832	1281	787
45°	195	536	195
50°	134	214	134
55°	150	150	150
60°	172	172	172
65°	122	122	122
70°	101	101	101
75°	133	133	133
80°	198	198	198
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 536 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.3	26.9
10°-20°	106.8	50.1
20°-30°	38.4	18.0
30°-40°	8.1	3.8
40°-50°	1.4	0.7
50°-60°	0.5	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°	202.6	95.1
0°-40°	210.6	98.9
0°-60°	212.5	99.7
0°-90°	213.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	213.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	634	634	634	634	634	
5°	613	614	615	619	619	57
15°	390	397	405	409	409	104
25°	70	71	72	73	72	37
35°	9	11	14	11	9	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°	634.1	634.1	634.1	634.1	634.1
1°	633.8	633.8	632.4	633.9	633.4
2°	630.3	630.6	629.8	631.6	631.4
3°	625.5	626.3	625.6	628.3	627.5
4°	620.3	621.0	620.6	624.0	623.6
5°	613.0	614.2	615.2	619.3	619.3
6°	605.5	606.7	608.8	613.3	614.8
7°	596.9	598.4	601.9	607.8	608.8
8°	585.9	587.6	592.4	598.9	600.2
9°	572.3	574.8	580.3	588.1	588.9
10°	554.3	556.3	564.0	570.4	572.6
11°	531.1	532.7	539.5	550.0	551.3
12°	502.8	504.8	513.6	520.4	521.7
13°	467.1	470.9	481.5	488.2	491.8
14°	430.3	435.5	443.1	452.6	450.3
15°	390.3	397.1	404.6	408.9	408.7
17.5°	292.0	296.0	302.7	305.2	308.5
20°	191.0	196.1	202.1	204.4	202.6
22.5°	118.5	119.8	121.7	122.7	122.3
25°	69.8	70.8	72.0	72.6	72.3
27.5°	42.1	44.4	46.0	44.0	42.9
30°	27.1	28.1	31.1	28.4	26.6
32.5°	16.1	18.4	20.9	17.8	15.5
35°	9.3	11.0	14.1	10.8	9.0
37.5°	6.0	6.8	9.1	6.6	5.8
40°	3.7	4.7	5.7	4.3	3.5
42.5°	1.8	2.8	3.3	2.5	1.8
45°	0.8	1.3	2.2	1.3	0.8
47.5°	0.5	0.7	1.3	0.7	0.5
50°	0.5	0.5	0.8	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°	0.3	0.3	0.3	0.3	0.3
65°	0.3	0.3	0.3	0.3	0.3
67.5°	0.3	0.3	0.3	0.3	0.3
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°	0.2	0.2	0.2	0.2	0.2
82.5°	0.2	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)