

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: P1317558

Luminaire Tested: P3SQAS02R309835DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317558
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R309835DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

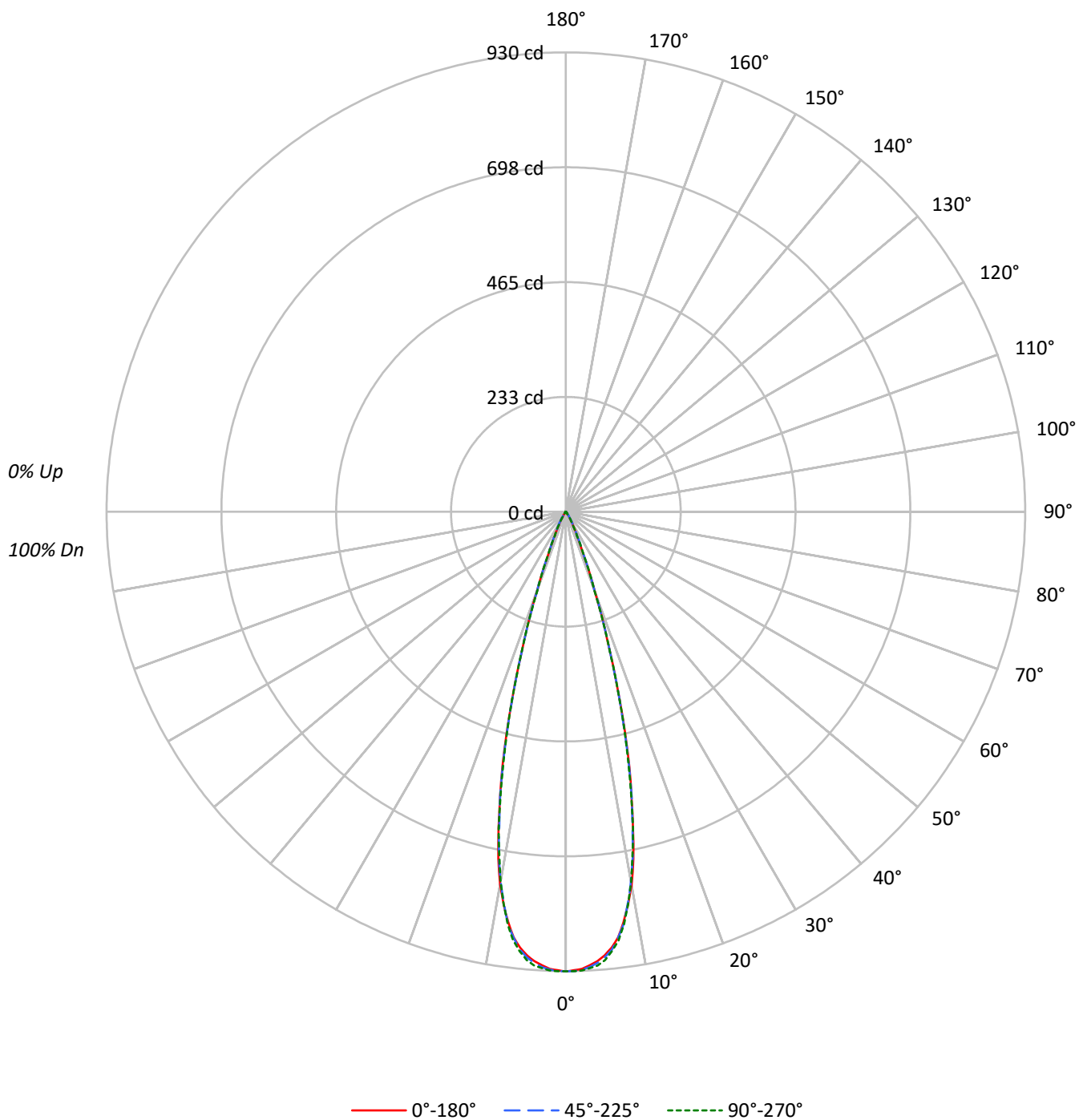
Lumens per Lamp: N/A
Luminaire Lumens: 242.1 lumens
Efficiency: N/A
Efficacy: 67.2 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	98
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	93	92
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	90	89
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	87	86
5	102	96	92	89	100	95	91	89	93	90	88	92	89	87	91	88	86	85	84	83
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	83	82	81
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	81	80	79
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	78	77	76
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	76	75	74
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	74	73	72

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	160253	160253	160253
5°	155852	156543	157511
10°	134028	132873	133013
15°	82356	81678	81750
20°	31340	31413	30827
25°	9976	10508	9995
30°	4017	4972	4117
35°	1304	2208	1304
40°	585	967	585
45°	219	414	219
50°	107	188	107
55°	120	120	120
60°	138	138	138
65°	82	82	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: 414 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.1	33.9
10°-20°	121.8	50.3
20°-30°	30.3	12.5
30°-40°	6.0	2.5
40°-50°	1.1	0.5
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°	234.1	96.7
0°-40°	240.1	99.2
0°-60°	241.6	99.8
0°-90°	242.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	242.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	930	930	930	930	930	
5°	902	904	906	907	911	82
15°	462	463	458	460	458	122
25°	52	54	55	54	53	29
35°	6	8	10	8	6	5
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°	930.5	930.5	930.5	930.5	930.5
1°	928.4	929.6	930.3	930.3	930.3
2°	925.8	926.6	927.7	927.9	929.4
3°	919.7	921.3	923.2	924.3	925.1
4°	912.2	914.4	915.6	918.4	920.8
5°	901.5	904.5	905.5	906.8	911.1
6°	887.2	889.4	891.3	891.8	894.5
7°	868.1	869.3	868.9	869.8	874.5
8°	839.2	839.6	842.7	840.7	843.9
9°	804.8	803.3	802.6	804.1	804.3
10°	766.4	761.3	759.8	758.5	760.6
11°	716.5	710.0	710.6	710.2	707.2
12°	654.6	653.8	649.0	649.9	654.4
13°	591.3	592.6	591.6	592.8	587.7
14°	531.9	525.5	527.2	520.9	523.3
15°	461.9	462.8	458.1	459.6	458.5
17.5°	295.7	297.8	296.3	295.0	297.0
20°	171.0	170.8	171.4	169.7	168.2
22.5°	90.0	91.3	93.0	93.2	94.3
25°	52.5	53.6	55.3	54.5	52.6
27.5°	32.1	34.2	36.8	34.9	32.7
30°	20.2	21.8	25.0	22.0	20.7
32.5°	11.4	13.8	16.4	13.8	11.4
35°	6.2	8.0	10.5	7.8	6.2
37.5°	4.1	4.7	6.9	4.7	4.1
40°	2.6	3.2	4.3	3.2	2.6
42.5°	1.5	2.1	2.4	2.1	1.5
45°	0.9	1.1	1.7	1.3	0.9
47.5°	0.4	0.6	1.1	0.6	0.6
50°	0.4	0.4	0.7	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	0.2	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	0.0	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)