

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: P1317557

Luminaire Tested: P3SQAS02R309835DE010 E3SQCD1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317557
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R309835DE010 E3SQCD1MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , E3SQCD1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

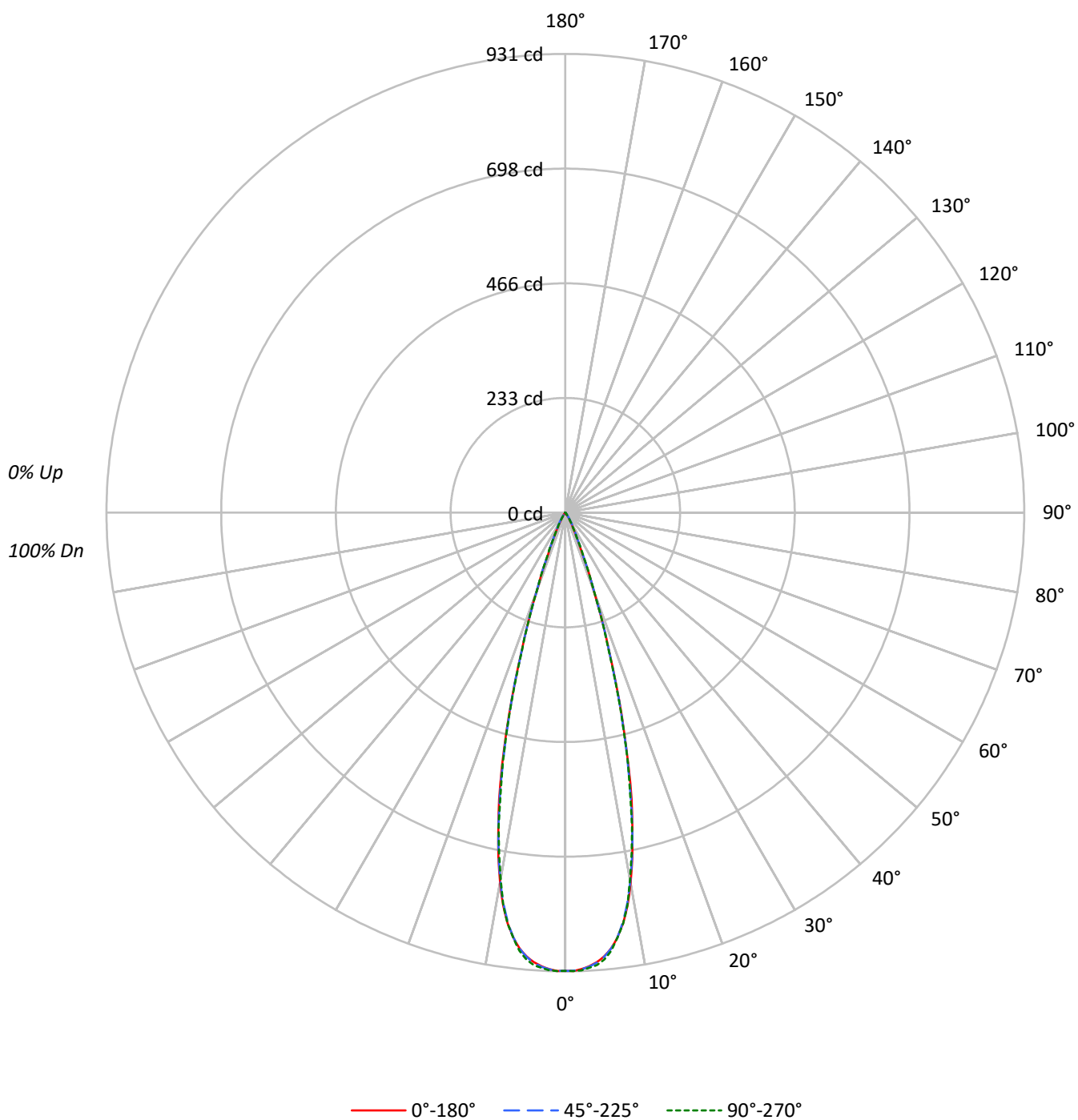
Lumens per Lamp: N/A
Luminaire Lumens: 240.0 lumens
Efficiency: N/A
Efficacy: 66.7 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	99
1	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	97	96	95
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	94	93	92
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	91	90	89
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88	87	86
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	86	85	84
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	83	82	81
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	81	80	79
8	94	88	83	81	93	87	83	81	86	83	80	85	82	80	84	82	80	79	78	77
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	76	75
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	75	74	73

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	160184	160184	160184
5°	156284	156474	157339
10°	133468	132856	132069
15°	82374	81411	81696
20°	31139	31303	31267
25°	9577	10508	9995
30°	3858	4892	4017
35°	1135	2081	1177
40°	472	832	472
45°	97	268	97
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

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.0	34.2
10°-20°	121.5	50.6
20°-30°	30.1	12.6
30°-40°	5.7	2.4
40°-50°	0.7	0.3
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°	233.6	97.3
0°-40°	239.3	99.7
0°-60°	240.0	100.0
0°-90°	240.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	240.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	930	930	930	930	930	
5°	904	904	905	907	910	82
15°	462	458	457	460	458	122
25°	50	54	55	55	53	29
35°	5	7	10	7	6	5
45°	0	1	1	1	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	930.1	930.1	930.1	930.1	930.1
1°	930.5	929.7	929.7	928.6	930.7
2°	927.1	926.4	927.7	926.8	929.4
3°	922.1	921.2	923.0	923.6	924.9
4°	914.6	913.9	915.9	917.0	920.6
5°	904.0	903.6	905.1	906.6	910.1
6°	889.4	888.9	889.8	891.7	893.9
7°	868.3	867.2	868.0	868.3	868.9
8°	841.6	840.0	839.0	841.1	842.2
9°	807.3	805.4	803.4	802.6	805.2
10°	763.2	760.4	759.7	757.8	755.2
11°	712.1	709.9	709.3	705.9	704.4
12°	653.5	652.4	653.7	651.6	650.9
13°	597.3	590.2	589.3	585.4	583.3
14°	530.9	524.3	524.1	522.1	524.9
15°	462.0	457.5	456.6	460.1	458.2
17.5°	294.5	297.5	296.8	294.9	291.7
20°	169.9	167.8	170.8	171.5	170.6
22.5°	90.5	91.3	91.8	94.1	95.6
25°	50.4	53.8	55.3	55.1	52.6
27.5°	31.4	33.4	36.2	34.3	32.3
30°	19.4	21.1	24.6	21.3	20.2
32.5°	10.5	13.3	15.9	13.3	10.8
35°	5.4	7.1	9.9	7.3	5.6
37.5°	3.5	4.1	6.3	4.1	3.5
40°	2.1	2.6	3.7	2.6	2.1
42.5°	0.9	1.5	2.1	1.5	0.9
45°	0.4	0.6	1.1	0.7	0.4
47.5°	0.0	0.2	0.6	0.2	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



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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)