

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: P1312903

Luminaire Tested: P3SQAS02R259730DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312903
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-35)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R259730DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

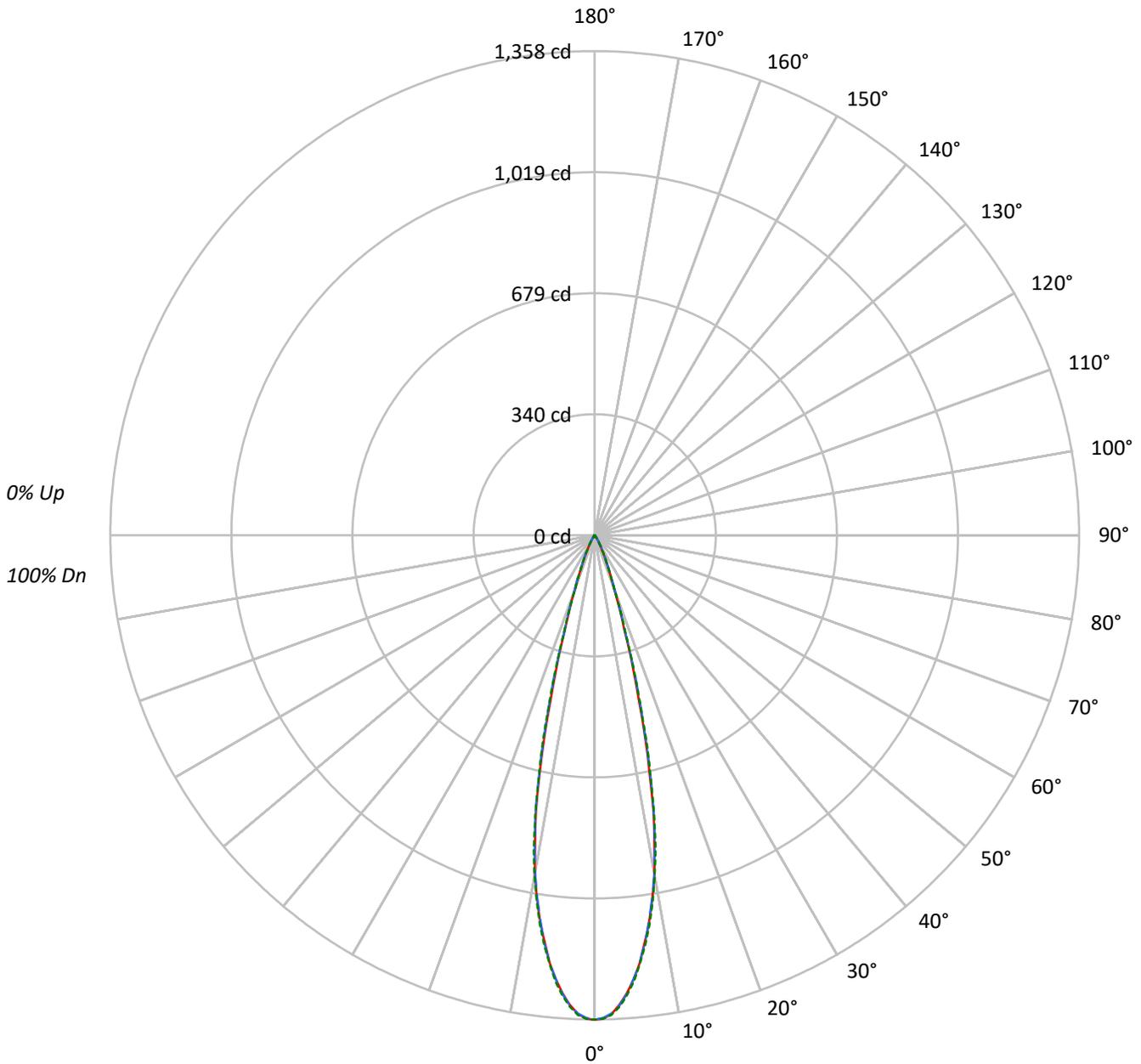
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 286.9 lumens
Efficiency: N/A
Efficacy: 79.7 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
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 (A_{in}): 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



— 0°-180° - - 45°-225° - - - 90°-270°



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	233964	233964	233964
5°	216118	216031	217242
10°	168811	168356	169511
15°	84923	88471	88400
20°	29067	29856	29379
25°	11687	13131	12181
30°	4733	5648	4614
35°	1388	2481	1388
40°	629	1079	629
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	198	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°	110.2	38.4
10°-20°	134.9	47.0
20°-30°	33.0	11.5
30°-40°	6.8	2.4
40°-50°	1.2	0.4
50°-60°	0.4	0.1
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°	278.1	96.9
0°-40°	284.9	99.3
0°-60°	286.4	99.8
0°-90°	286.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	286.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1358	1358	1358	1358	1358	
5°	1250	1251	1250	1252	1257	110
15°	476	484	496	498	496	133
25°	62	64	69	65	64	31
35°	7	9	12	9	7	6
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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1358.5	1358.5	1358.5	1358.5	1358.5
1°	1355.9	1354.2	1353.7	1354.0	1356.1
2°	1343.7	1342.6	1342.4	1343.0	1346.1
3°	1318.7	1320.1	1320.5	1322.7	1324.2
4°	1288.1	1290.7	1289.7	1292.3	1294.0
5°	1250.1	1251.2	1249.6	1252.3	1256.6
6°	1205.7	1201.7	1205.5	1206.6	1209.6
7°	1150.3	1151.2	1152.5	1153.8	1158.4
8°	1095.9	1093.3	1092.6	1098.7	1102.5
9°	1032.2	1032.7	1030.3	1037.3	1038.4
10°	965.3	959.9	962.7	968.2	969.3
11°	877.0	875.4	879.6	888.1	894.9
12°	794.1	795.0	799.3	802.2	800.6
13°	684.5	691.1	696.5	699.4	695.7
14°	585.5	585.5	592.5	593.5	606.9
15°	476.3	484.4	496.2	498.4	495.8
17.5°	275.1	276.2	281.9	281.7	285.8
20°	158.6	160.1	162.9	162.3	160.3
22.5°	95.4	98.6	105.4	99.9	98.4
25°	61.5	64.3	69.1	65.2	64.1
27.5°	38.5	40.5	44.2	40.7	38.9
30°	23.8	24.9	28.4	25.2	23.2
32.5°	12.9	15.7	18.6	15.7	12.9
35°	6.6	9.2	11.8	9.0	6.6
37.5°	4.4	5.2	7.7	5.0	4.4
40°	2.8	3.5	4.8	3.5	2.8
42.5°	1.5	2.2	2.6	2.4	1.5
45°	0.9	1.3	1.7	1.3	0.9
47.5°	0.7	0.7	1.1	0.7	0.4
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	0.4	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	0.2	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)