

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: P1307500

Luminaire Tested: P3SQAS02R259030DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307500
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: P3SQAS02R259030DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

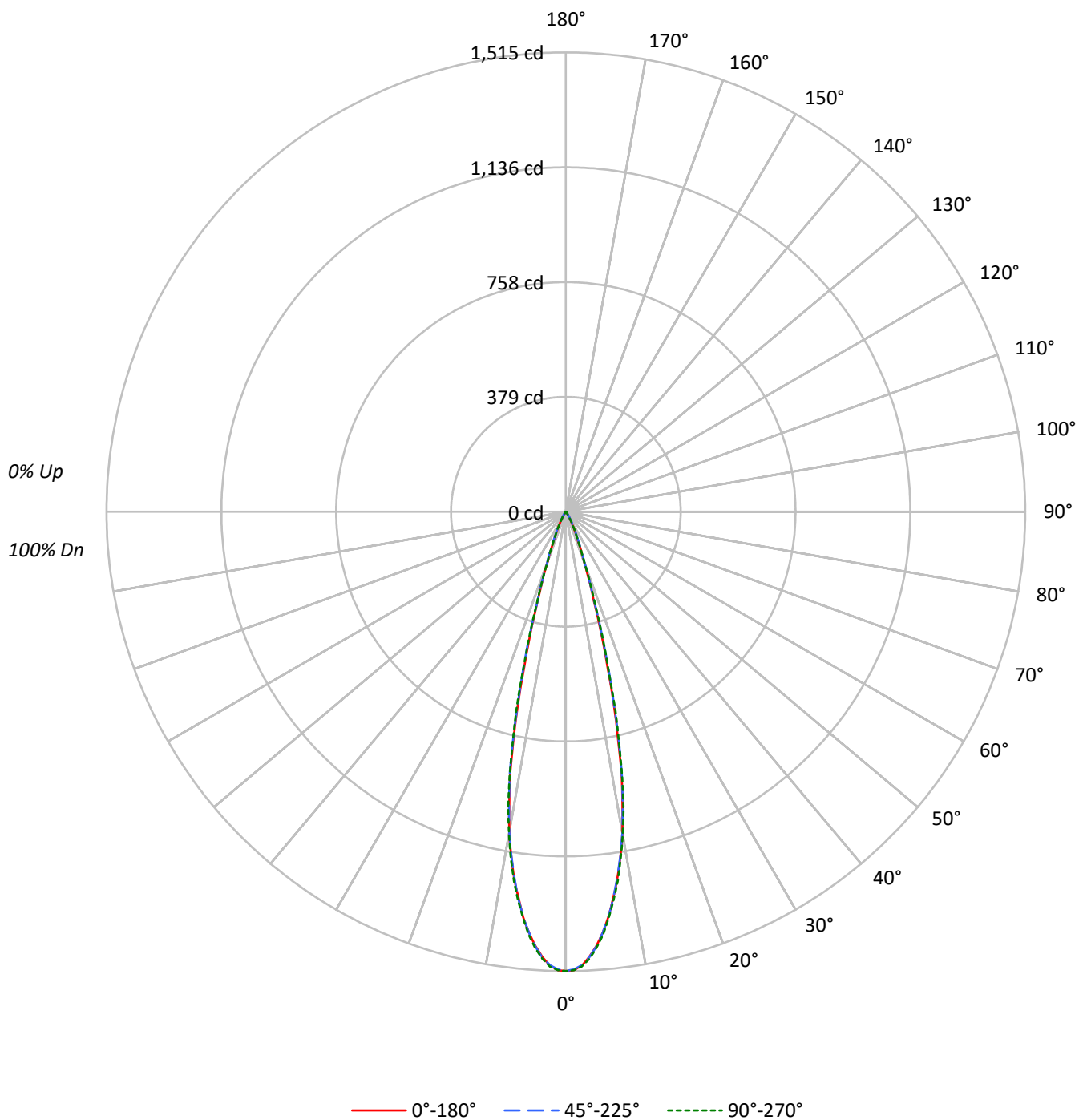
Lumens per Lamp: N/A
Luminaire Lumens: 320.0 lumens
Efficiency: N/A
Efficacy: 88.9 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
Input Voltage (V): NR
Input Current (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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	113	111	110	113	111	109	108	107	106	105		103	102	102		100
2	112	108	105	103	110	107	104	102	103	101	100		101	99	97		98
3	108	104	100	98	107	103	99	97	100	98	95		98	96	94		96
4	105	100	96	93	104	99	96	93	97	94	92		95	93	91		94
5	102	97	93	90	101	96	92	90	94	91	89		93	90	88		91
6	100	94	90	87	98	93	89	87	92	88	86		91	88	86		89
7	97	91	87	84	96	90	87	84	89	86	84		88	85	83		87
8	95	88	84	82	94	88	84	82	87	84	81		86	83	81		85
9	92	86	82	80	91	86	82	79	85	82	79		84	81	79		83
10	90	84	80	78	89	84	80	77	83	80	77		82	79	77		82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	260883	260883	260883
5°	240961	240874	242223
10°	188223	187716	188992
15°	94694	98652	98563
20°	32403	33301	32751
25°	13017	14651	13568
30°	5290	6304	5131
35°	1535	2775	1535
40°	719	1214	719
45°	244	487	244
50°	134	188	134
55°	150	150	150
60°	172	172	172
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: 487 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.9	38.4
10°-20°	150.4	47.0
20°-30°	36.7	11.5
30°-40°	7.6	2.4
40°-50°	1.3	0.4
50°-60°	0.5	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°	310.0	96.9
0°-40°	317.6	99.3
0°-60°	319.4	99.8
0°-90°	320.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	320.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1515	1515	1515	1515	1515	
5°	1394	1395	1393	1396	1401	123
15°	531	540	553	556	553	148
25°	68	72	77	73	71	35
35°	7	10	13	10	7	6
45°	1	2	2	2	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°	1514.8	1514.8	1514.8	1514.8	1514.8
1°	1511.8	1509.9	1509.4	1509.6	1512.1
2°	1498.2	1497.0	1496.7	1497.4	1500.9
3°	1470.4	1471.8	1472.3	1474.8	1476.5
4°	1436.2	1439.2	1437.9	1440.9	1442.8
5°	1393.8	1395.0	1393.3	1396.2	1401.1
6°	1344.3	1339.9	1344.1	1345.3	1348.7
7°	1282.6	1283.6	1285.1	1286.5	1291.6
8°	1221.9	1219.0	1218.2	1225.1	1229.2
9°	1150.9	1151.4	1148.7	1156.5	1157.8
10°	1076.3	1070.2	1073.4	1079.5	1080.7
11°	977.8	976.1	980.7	990.2	997.8
12°	885.4	886.4	891.2	894.4	892.7
13°	763.2	770.5	776.6	779.8	775.7
14°	652.8	652.8	660.6	661.8	676.7
15°	531.1	540.1	553.3	555.7	552.8
17.5°	306.8	308.0	314.3	314.1	318.7
20°	176.8	178.5	181.7	180.9	178.7
22.5°	106.3	110.0	117.5	111.4	109.7
25°	68.5	71.7	77.1	72.7	71.4
27.5°	42.9	45.1	49.3	45.4	43.4
30°	26.6	27.8	31.7	28.0	25.8
32.5°	14.4	17.6	20.7	17.6	14.4
35°	7.3	10.2	13.2	10.0	7.3
37.5°	4.9	5.9	8.5	5.6	4.9
40°	3.2	3.9	5.4	3.9	3.2
42.5°	1.7	2.4	2.9	2.7	1.7
45°	1.0	1.5	2.0	1.5	1.0
47.5°	0.7	0.7	1.2	0.7	0.5
50°	0.5	0.5	0.7	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°	0.5	0.5	0.5	0.5	0.5
65°	0.2	0.5	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)