

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: P1310850

Luminaire Tested: P3SQAS02R309050DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310850
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: P3SQAS02R309050DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

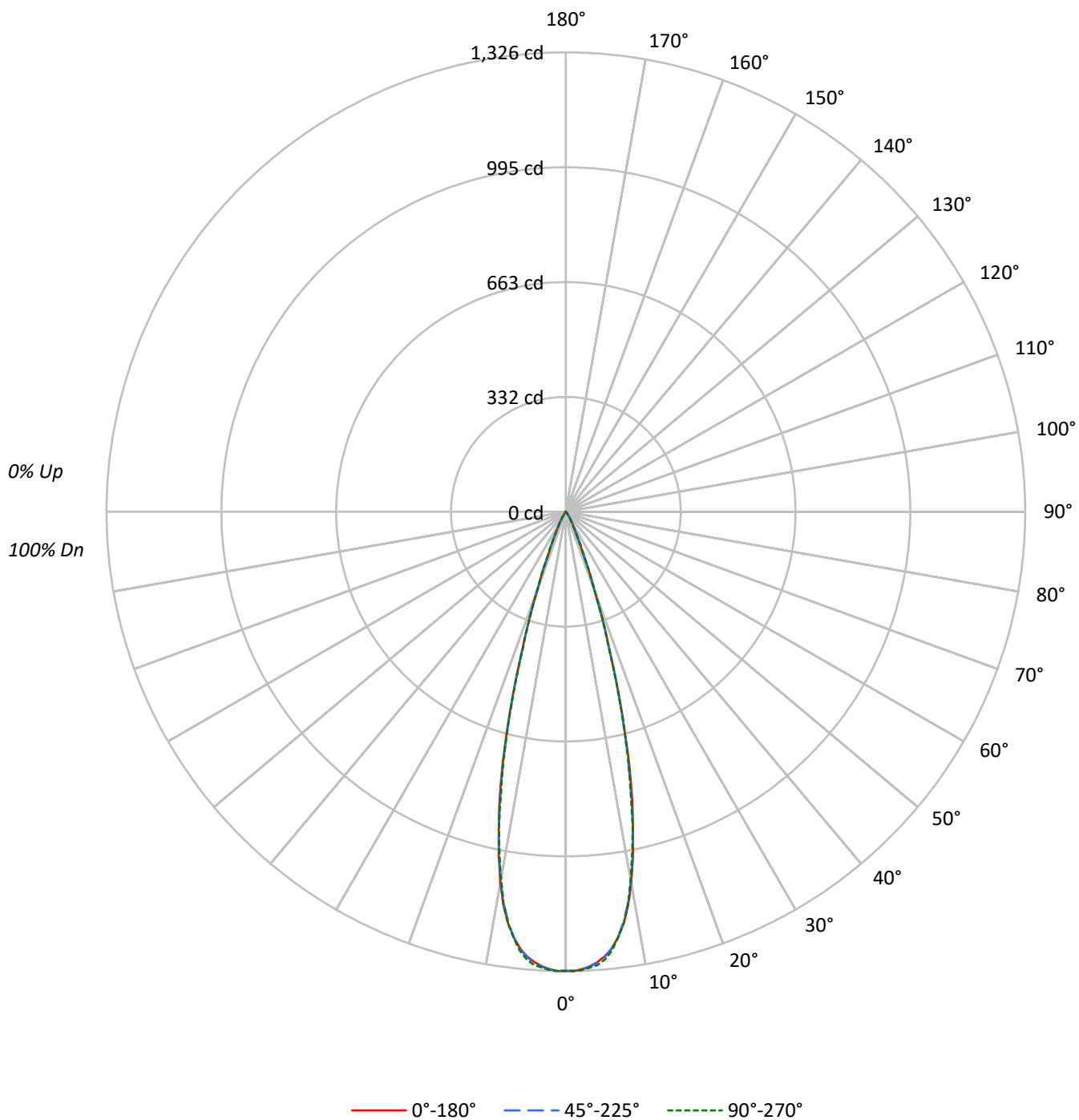
Lumens per Lamp: N/A
Luminaire Lumens: 342.0 lumens
Efficiency: N/A
Efficacy: 95.0 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	84	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°	228264	228264	228264
5°	222705	222981	224226
10°	190199	189324	188205
15°	117374	116001	116429
20°	44353	44609	44554
25°	13644	14955	14252
30°	5509	6980	5707
35°	1619	2964	1682
40°	652	1192	652
45°	122	390	122
50°	0	80	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: 390 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.9	34.2
10°-20°	173.1	50.6
20°-30°	42.9	12.6
30°-40°	8.1	2.4
40°-50°	1.0	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°	332.9	97.3
0°-40°	341.0	99.7
0°-60°	342.0	100.0
0°-90°	342.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	342.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1325	1325	1325	1325	1325	
5°	1288	1288	1290	1292	1297	117
15°	658	652	651	656	653	174
25°	72	77	79	78	75	41
35°	8	10	14	10	8	6
45°	0	1	2	1	0	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°	1325.4	1325.4	1325.4	1325.4	1325.4
1°	1325.9	1324.9	1324.9	1323.3	1326.2
2°	1321.2	1320.1	1322.0	1320.6	1324.3
3°	1314.0	1312.6	1315.3	1316.1	1318.0
4°	1303.3	1302.3	1305.2	1306.8	1311.8
5°	1288.2	1287.6	1289.8	1291.9	1297.0
6°	1267.4	1266.6	1268.0	1270.6	1273.8
7°	1237.4	1235.8	1236.8	1237.4	1238.2
8°	1199.3	1196.9	1195.6	1198.5	1200.1
9°	1150.4	1147.7	1144.8	1143.7	1147.5
10°	1087.6	1083.6	1082.6	1079.9	1076.2
11°	1014.7	1011.5	1010.7	1006.0	1003.8
12°	931.2	929.6	931.5	928.6	927.5
13°	851.2	841.0	839.7	834.1	831.2
14°	756.5	747.2	746.9	744.0	748.0
15°	658.3	651.9	650.6	655.7	653.0
17.5°	419.7	424.0	422.9	420.3	415.7
20°	242.0	239.1	243.4	244.4	243.1
22.5°	129.0	130.1	130.9	134.1	136.2
25°	71.8	76.6	78.7	78.5	75.0
27.5°	44.7	47.6	51.6	48.9	46.0
30°	27.7	30.1	35.1	30.3	28.7
32.5°	14.9	18.9	22.6	18.9	15.4
35°	7.7	10.1	14.1	10.4	8.0
37.5°	5.1	5.9	9.0	5.9	5.1
40°	2.9	3.7	5.3	3.7	2.9
42.5°	1.3	2.1	2.9	2.1	1.3
45°	0.5	0.8	1.6	1.1	0.5
47.5°	0.0	0.3	0.8	0.3	0.0
50°	0.0	0.0	0.3	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)