

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: P1309753

Luminaire Tested: P3SQAS02R309040DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309753
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: P3SQAS02R309040DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

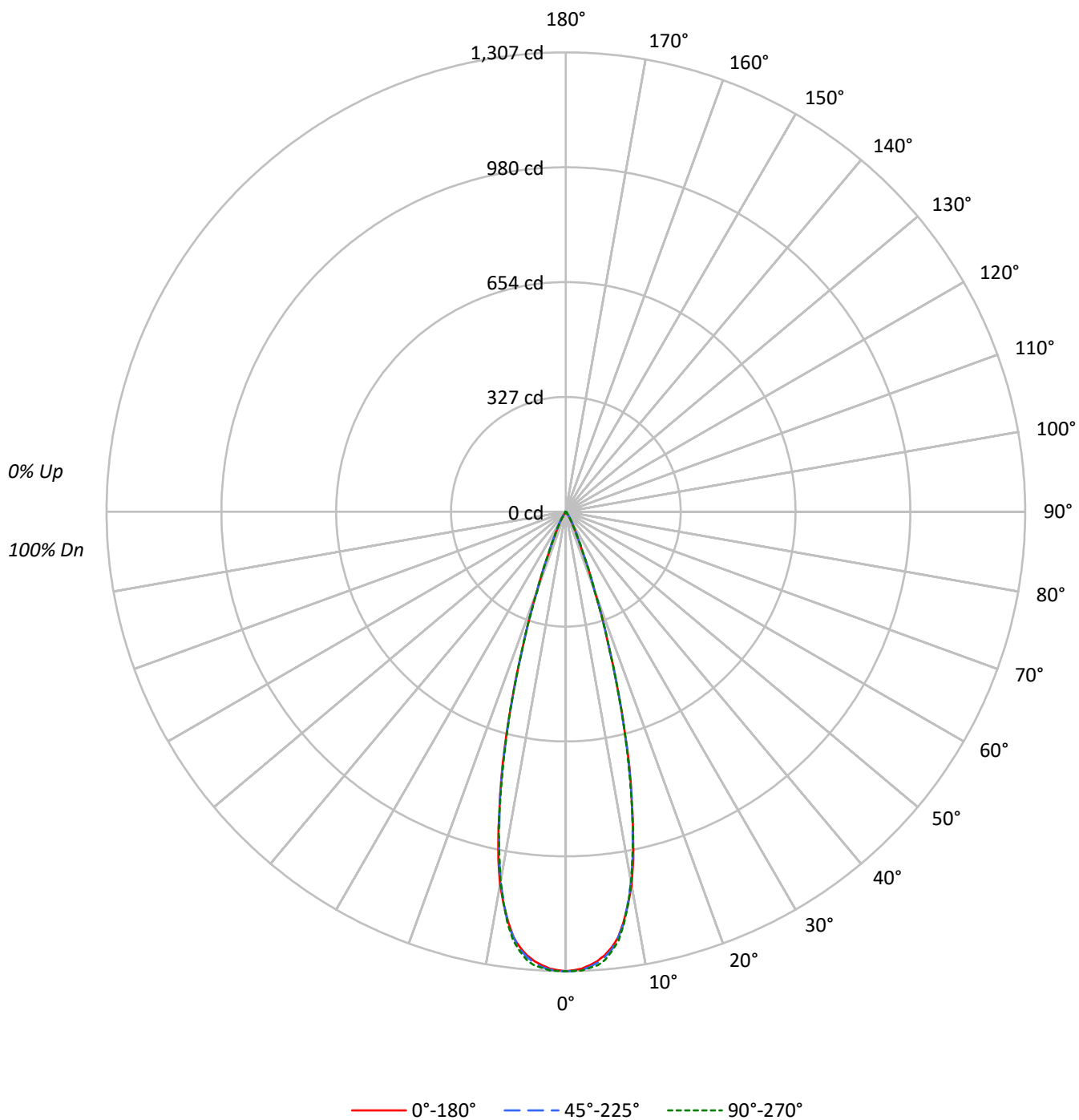
Lumens per Lamp: N/A
Luminaire Lumens: 340.0 lumens
Efficiency: N/A
Efficacy: 94.5 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	225147	225147	225147
5°	218970	219921	221287
10°	188293	186701	186876
15°	115698	114770	114860
20°	44041	44133	43308
25°	14005	14746	14062
30°	5628	6980	5787
35°	1829	3091	1829
40°	832	1349	832
45°	317	585	317
50°	134	268	134
55°	150	150	150
60°	172	172	172
65°	122	122	122
70°	151	151	151
75°	200	200	200
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 585 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.3	33.9
10°-20°	171.1	50.3
20°-30°	42.5	12.5
30°-40°	8.5	2.5
40°-50°	1.5	0.5
50°-60°	0.5	0.1
60°-70°	0.4	0.1
70°-80°	0.3	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°	328.9	96.7
0°-40°	337.4	99.2
0°-60°	339.4	99.8
0°-90°	340.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	340.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1307	1307	1307	1307	1307	
5°	1267	1271	1272	1274	1280	115
15°	649	650	644	646	644	172
25°	74	75	78	77	74	41
35°	9	11	15	11	9	7
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°	1307.3	1307.3	1307.3	1307.3	1307.3
1°	1304.4	1306.0	1307.0	1307.0	1307.0
2°	1300.7	1301.8	1303.4	1303.6	1305.7
3°	1292.1	1294.4	1297.1	1298.6	1299.7
4°	1281.6	1284.7	1286.3	1290.2	1293.7
5°	1266.6	1270.8	1272.1	1274.0	1280.0
6°	1246.4	1249.6	1252.2	1253.0	1256.7
7°	1219.7	1221.3	1220.7	1222.0	1228.6
8°	1179.0	1179.6	1184.0	1181.1	1185.6
9°	1130.8	1128.7	1127.6	1129.7	1130.0
10°	1076.7	1069.7	1067.6	1065.7	1068.6
11°	1006.7	997.5	998.3	997.8	993.6
12°	919.6	918.6	911.7	913.1	919.4
13°	830.7	832.5	831.2	832.8	825.7
14°	747.3	738.4	740.7	731.8	735.2
15°	648.9	650.2	643.7	645.8	644.2
17.5°	415.5	418.4	416.3	414.4	417.3
20°	240.3	240.0	240.8	238.4	236.3
22.5°	126.4	128.3	130.6	130.9	132.5
25°	73.7	75.3	77.6	76.6	74.0
27.5°	45.1	48.0	51.7	49.0	45.9
30°	28.3	30.7	35.1	31.0	29.1
32.5°	16.0	19.4	23.1	19.4	16.0
35°	8.7	11.3	14.7	11.0	8.7
37.5°	5.8	6.6	9.7	6.6	5.8
40°	3.7	4.5	6.0	4.5	3.7
42.5°	2.1	2.9	3.4	2.9	2.1
45°	1.3	1.6	2.4	1.8	1.3
47.5°	0.5	0.8	1.6	0.8	0.8
50°	0.5	0.5	1.0	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°	0.3	0.3	0.3	0.3	0.3
67.5°	0.3	0.3	0.3	0.3	0.3
70°	0.3	0.3	0.3	0.3	0.3
72.5°	0.3	0.3	0.3	0.3	0.3
75°	0.3	0.3	0.3	0.3	0.3
77.5°	0.3	0.3	0.3	0.3	0.3
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)