

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: P1306385

Luminaire Tested: P3SQAS02R259027DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306385
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R259027DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

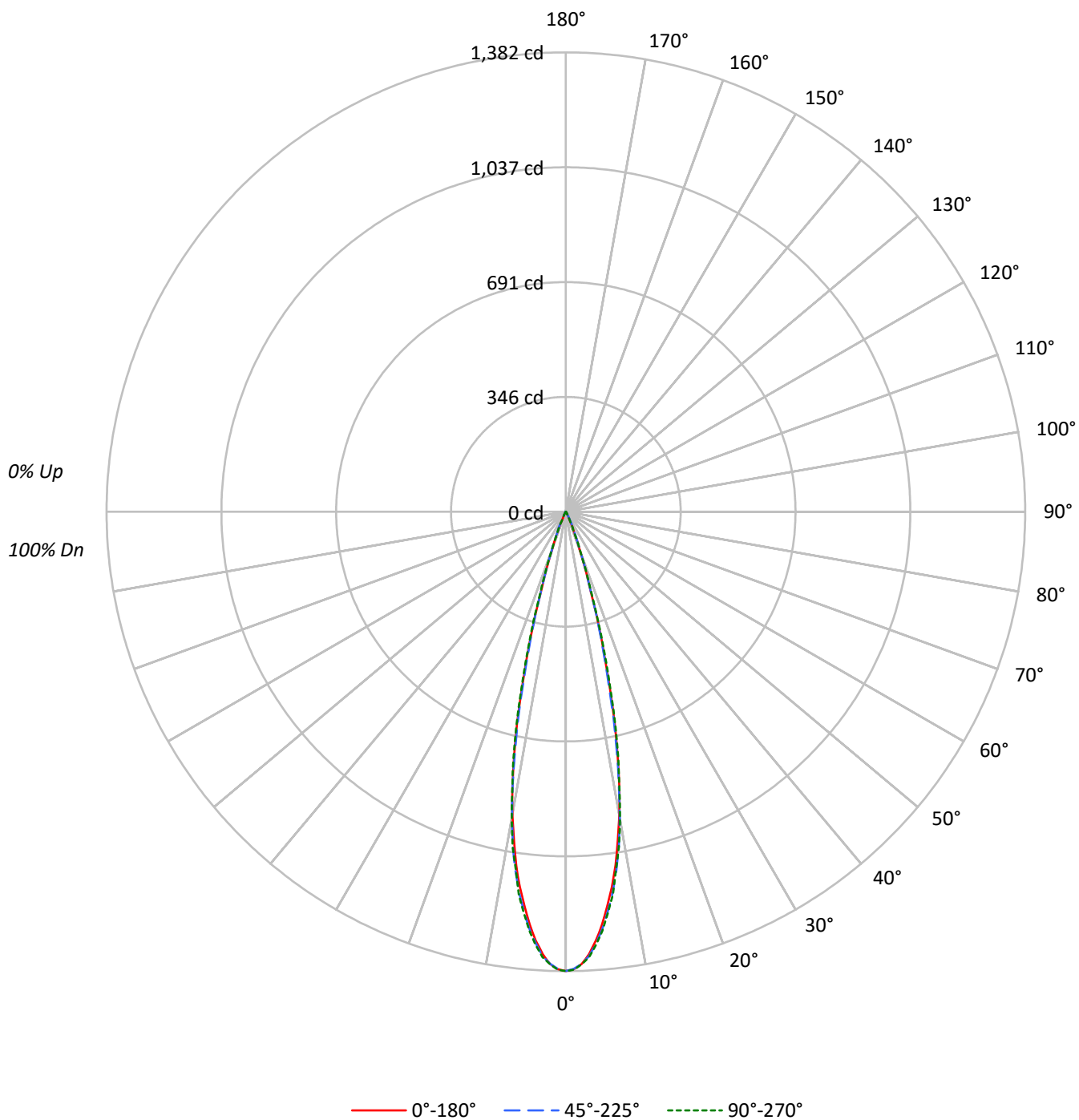
Lumens per Lamp: N/A
Luminaire Lumens: 255.0 lumens
Efficiency: N/A
Efficacy: 70.8 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	237960	237960	237960
5°	215634	217605	218677
10°	162113	163267	164019
15°	80270	77881	83069
20°	22671	23038	23294
25°	3934	7430	4675
30°	1531	1591	1631
35°	484	526	526
40°	157	202	157
45°	122	49	122
50°	54	0	54
55°	60	0	60
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: 0°

Vertical Angle: 45°

Luminance: 122 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.8	43.0
10°-20°	123.8	48.5
20°-30°	19.2	7.5
30°-40°	1.9	0.8
40°-50°	0.3	0.1
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°	252.8	99.1
0°-40°	254.7	99.9
0°-60°	255.0	100.0
0°-90°	255.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	255.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1382	1382	1382	1382	1382	
5°	1247	1250	1259	1264	1265	109
15°	450	447	437	456	466	123
25°	21	31	39	30	25	17
35°	2	2	2	3	2	2
45°	0	0	0	0	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°	1381.7	1381.7	1381.7	1381.7	1381.7
1°	1376.0	1377.9	1375.8	1378.1	1377.9
2°	1361.7	1363.5	1361.0	1362.4	1362.4
3°	1332.4	1336.2	1338.5	1340.1	1341.5
4°	1293.7	1298.1	1301.5	1305.6	1305.6
5°	1247.3	1249.6	1258.7	1263.7	1264.9
6°	1192.1	1201.2	1208.0	1218.0	1211.9
7°	1136.8	1144.3	1153.9	1155.5	1159.8
8°	1074.1	1082.1	1090.9	1089.3	1085.7
9°	997.7	1009.3	1019.8	1016.3	1020.9
10°	927.0	934.0	933.6	930.2	937.9
11°	844.9	846.5	837.6	851.5	843.1
12°	747.6	749.0	737.6	751.2	759.9
13°	654.4	651.2	635.5	653.5	664.4
14°	547.1	548.2	528.2	563.0	560.2
15°	450.2	447.0	436.8	456.3	465.9
17.5°	239.9	241.9	239.4	249.2	255.3
20°	123.7	127.1	125.7	129.8	127.1
22.5°	64.1	68.9	70.3	67.1	58.4
25°	20.7	30.7	39.1	29.8	24.6
27.5°	12.5	12.3	19.1	13.2	13.4
30°	7.7	7.5	8.0	8.0	8.2
32.5°	4.3	4.5	4.3	4.8	4.5
35°	2.3	2.5	2.5	2.7	2.5
37.5°	1.4	1.6	1.6	1.6	1.4
40°	0.7	0.9	0.9	0.7	0.7
42.5°	0.5	0.5	0.5	0.5	0.5
45°	0.5	0.2	0.2	0.2	0.5
47.5°	0.2	0.2	0.0	0.2	0.2
50°	0.2	0.2	0.0	0.2	0.2
52.5°	0.2	0.0	0.0	0.0	0.2
55°	0.2	0.0	0.0	0.0	0.2
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)