

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: P1311949

Luminaire Tested: P3SQAS02R309727DE010 E3SQPH1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311949
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R309727DE010 E3SQPH1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , E3SQPH1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

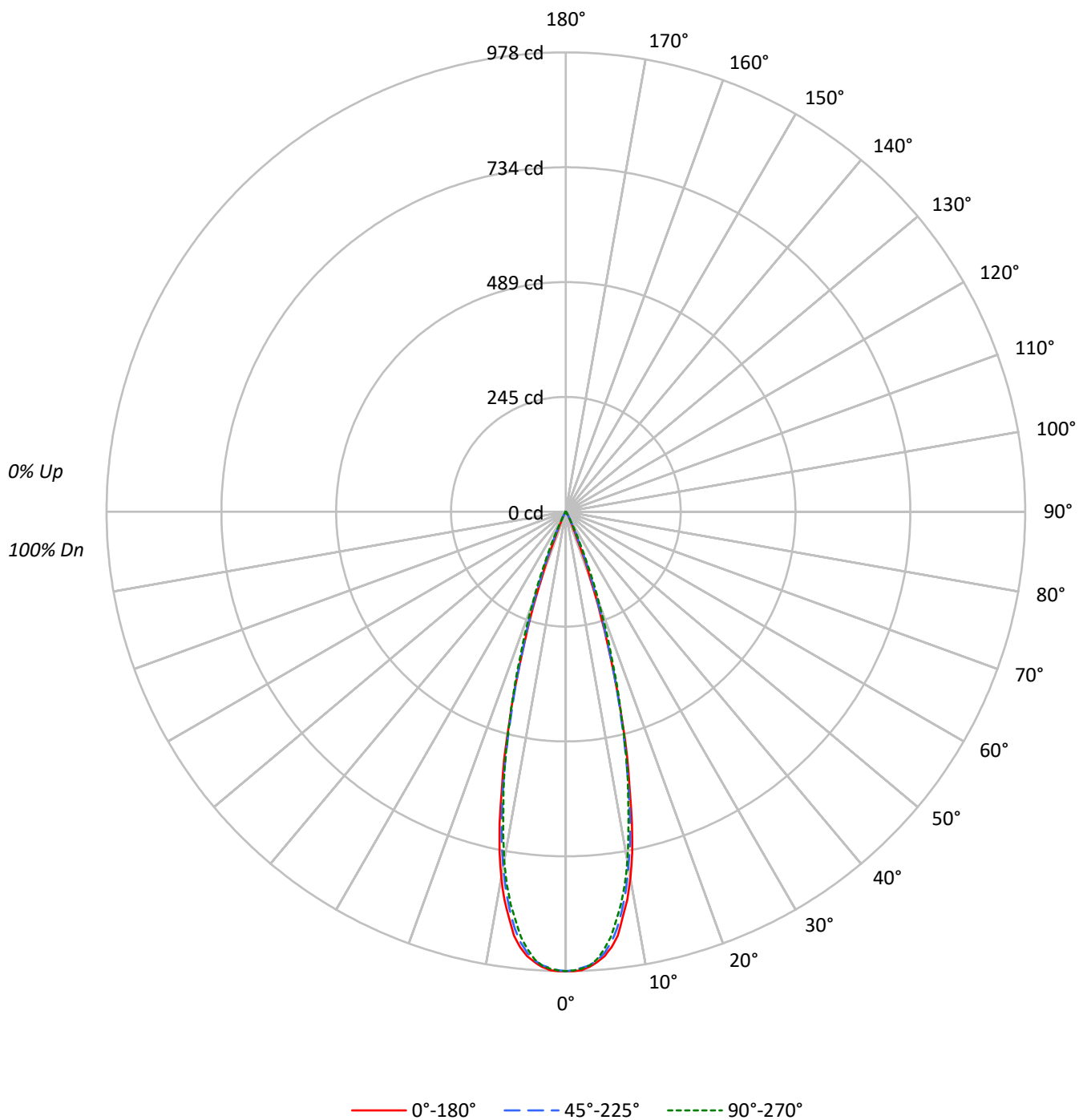
Lumens per Lamp: N/A
Luminaire Lumens: 237.0 lumens
Efficiency: N/A
Efficacy: 65.8 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	110	113	111	109	108	107	106	105		103	103	102		100
2	112	108	105	103	110	107	104	102	104	101	100		101	99	98		98
3	108	104	101	98	107	103	100	97	100	98	96		98	96	94		96
4	105	100	97	94	104	99	96	93	97	94	92		95	93	91		94
5	102	97	93	90	101	96	93	90	95	91	89		93	90	88		92
6	100	94	90	87	99	93	90	87	92	89	86		91	88	86		90
7	97	91	87	84	96	91	87	84	90	86	84		88	86	83		88
8	95	89	85	82	94	88	84	82	87	84	82		86	83	81		86
9	92	86	82	80	92	86	82	80	85	82	79		84	81	79		84
10	90	84	80	78	90	84	80	78	83	80	77		82	79	77		82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	168451	168451	168451
5°	164115	162992	161643
10°	138505	134255	132069
15°	83461	81126	82623
20°	28316	32696	37718
25°	5207	8152	9634
30°	1790	1989	2227
35°	526	652	694
40°	135	225	180
45°	49	49	49
50°	54	0	54
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: 0°
Vertical Angle: 52.5°
Luminance: 57 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.6	35.7
10°-20°	123.6	52.2
20°-30°	26.2	11.0
30°-40°	2.4	1.0
40°-50°	0.2	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°	234.3	98.9
0°-40°	236.7	99.9
0°-60°	237.0	100.0
0°-90°	237.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	237.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	978	978	978	978	978	
5°	949	948	943	940	935	86
15°	468	466	455	466	463	123
25°	27	31	43	50	51	20
35°	2	3	3	4	3	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°	978.1	978.1	978.1	978.1	978.1
1°	978.3	977.3	975.9	977.9	976.5
2°	976.3	973.8	971.8	973.8	973.2
3°	970.1	968.1	966.7	967.7	967.7
4°	960.9	958.7	957.5	957.7	954.6
5°	949.3	947.5	942.8	939.9	935.0
6°	932.1	927.6	921.9	917.2	910.9
7°	908.8	901.9	893.7	885.5	877.6
8°	871.5	868.2	857.1	851.6	843.7
9°	836.3	828.3	816.5	807.5	803.2
10°	792.0	780.1	767.7	760.5	755.2
11°	739.5	727.4	717.4	707.0	698.8
12°	677.7	667.5	656.1	649.1	639.5
13°	604.6	603.2	590.3	588.1	586.8
14°	541.9	536.2	523.5	527.0	527.8
15°	468.1	466.5	455.0	465.7	463.4
17.5°	293.2	293.8	301.0	317.7	323.0
20°	154.5	159.2	178.4	198.6	205.8
22.5°	62.5	72.9	92.6	106.2	115.4
25°	27.4	30.6	42.9	50.5	50.7
27.5°	15.5	15.7	20.6	21.5	21.9
30°	9.0	9.2	10.0	10.6	11.2
32.5°	4.9	5.3	5.5	6.3	6.3
35°	2.5	3.1	3.1	3.7	3.3
37.5°	1.4	1.6	1.8	1.8	1.6
40°	0.6	0.8	1.0	1.0	0.8
42.5°	0.2	0.4	0.4	0.4	0.6
45°	0.2	0.2	0.2	0.2	0.2
47.5°	0.2	0.2	0.0	0.2	0.2
50°	0.2	0.0	0.0	0.0	0.2
52.5°	0.2	0.0	0.0	0.0	0.2
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)