

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: P1310856

Luminaire Tested: P3SQAS02R309050DE010 E3SQPHL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310856
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R309050DE010 E3SQPHL1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , E3SQPHL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

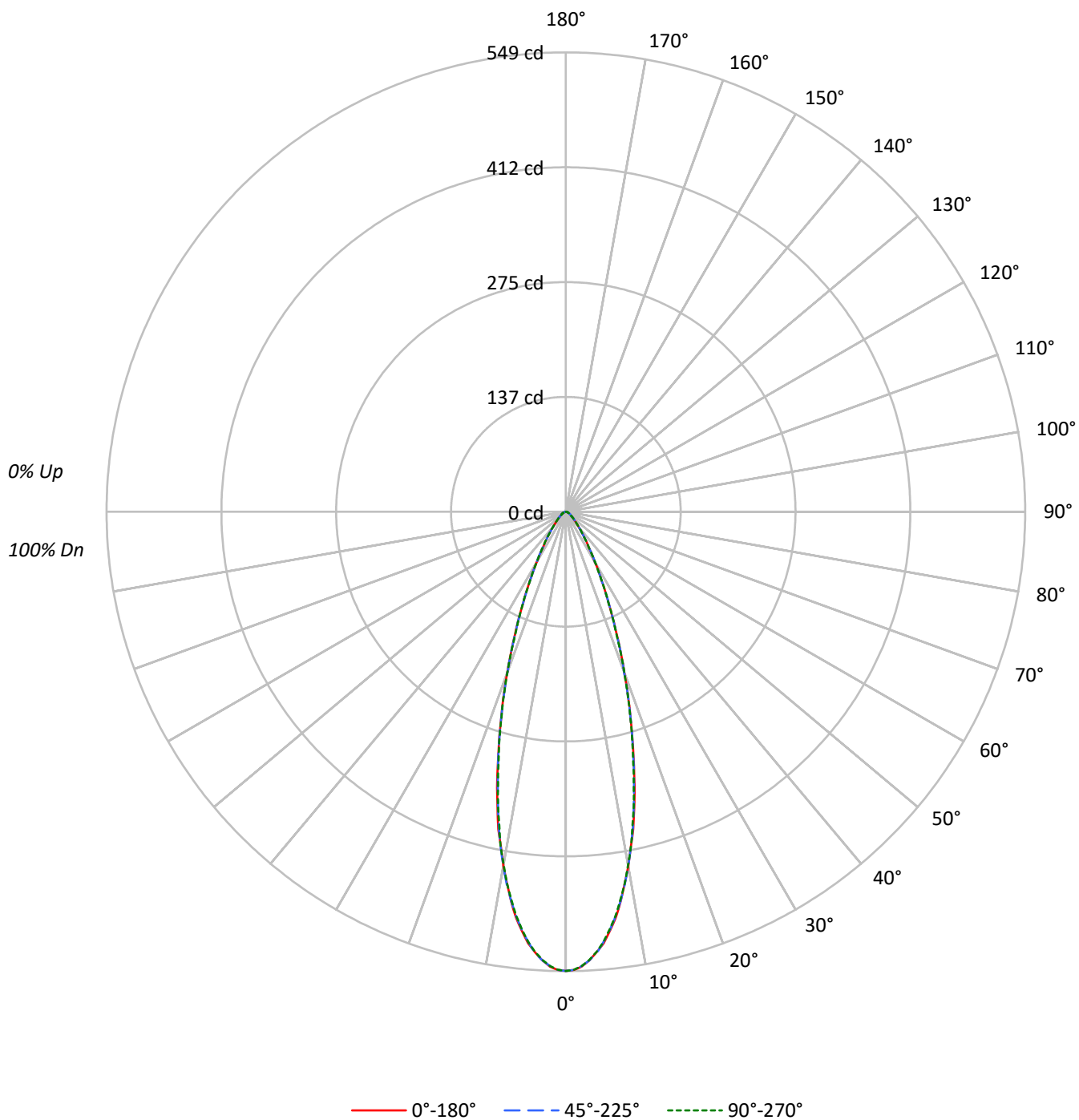
Lumens per Lamp: N/A
Luminaire Lumens: 241.0 lumens
Efficiency: N/A
Efficacy: 66.9 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	114	111	109	106	111	109	107	105	105	103	101		101	100	98		98
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89
4	99	92	87	83	97	91	86	82	89	84	81		87	83	80		85
5	95	87	81	77	93	86	81	77	84	80	76		82	79	76		81
6	90	82	77	73	89	82	76	73	80	76	72		79	75	72		77
7	87	78	73	69	86	78	72	69	76	72	68		75	71	68		74
8	83	75	69	66	82	74	69	65	73	68	65		72	68	65		71
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68
10	77	68	63	60	76	68	63	60	67	63	59		66	62	59		66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	94516	94516	94516
5°	89483	89241	89206
10°	75163	75163	74883
15°	56003	55861	55522
20°	37480	37297	37333
25°	23107	23050	23164
30°	13901	13901	13940
35°	8515	8515	8578
40°	5396	5396	5508
45°	3702	3775	3775
50°	2706	2706	2706
55°	2072	2162	2162
60°	1757	1757	1826
65°	1508	1508	1508
70°	1360	1460	1460
75°	1264	1264	1264
80°	1091	1091	1091
85°	593	593	593

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3775 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.5	19.3
10°-20°	85.9	35.6
20°-30°	57.1	23.7
30°-40°	26.4	11.0
40°-50°	12.3	5.1
50°-60°	6.5	2.7
60°-70°	3.8	1.6
70°-80°	2.0	0.8
80°-90°	0.4	0.2
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°	189.5	78.6
0°-40°	215.9	89.6
0°-60°	234.7	97.4
0°-90°	241.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	241.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	549	549	549	549	549	
5°	518	516	516	518	516	47
15°	314	315	313	313	311	86
25°	122	121	121	121	122	57
35°	40	40	40	41	41	26
45°	15	15	16	16	16	12
55°	7	7	7	7	7	6
65°	4	4	4	4	4	4
75°	2	2	2	2	2	2
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°	548.8	548.8	548.8	548.8	548.8
1°	547.7	547.2	547.7	548.5	547.4
2°	544.0	543.4	543.4	544.5	543.4
3°	536.8	537.3	537.0	538.1	536.2
4°	527.7	527.4	528.5	529.0	527.4
5°	517.6	516.5	516.2	517.6	516.0
6°	503.7	502.9	502.4	504.0	501.8
7°	488.8	488.2	487.4	488.0	486.4
8°	470.4	470.1	469.6	470.1	468.2
9°	449.8	449.8	450.9	450.6	449.6
10°	429.8	430.4	429.8	430.4	428.2
11°	407.4	407.4	408.0	407.7	408.0
12°	388.0	385.8	385.3	384.8	383.2
13°	362.9	361.3	360.8	361.3	360.5
14°	340.0	338.9	336.2	336.8	335.7
15°	314.1	315.2	313.3	313.3	311.4
17.5°	256.8	255.7	256.2	256.5	255.7
20°	204.5	204.0	203.5	202.9	203.7
22.5°	158.9	159.2	158.7	158.1	157.6
25°	121.6	121.3	121.3	121.3	121.9
27.5°	92.3	92.3	92.3	92.5	92.5
30°	69.9	69.3	69.9	70.1	70.1
32.5°	52.3	52.8	53.1	53.1	53.1
35°	40.5	40.3	40.5	40.8	40.8
37.5°	30.9	30.9	31.2	31.2	31.5
40°	24.0	24.0	24.0	24.3	24.5
42.5°	18.9	18.9	19.2	19.2	19.5
45°	15.2	15.2	15.5	15.5	15.5
47.5°	12.3	12.3	12.5	12.5	12.5
50°	10.1	10.1	10.1	10.1	10.1
52.5°	8.5	8.3	8.5	8.5	8.5
55°	6.9	7.2	7.2	7.2	7.2
57.5°	5.9	6.1	6.1	6.1	6.1
60°	5.1	5.1	5.1	5.3	5.3
62.5°	4.3	4.5	4.5	4.5	4.5
65°	3.7	3.7	3.7	3.7	3.7
67.5°	3.2	3.2	3.2	3.2	3.5
70°	2.7	2.7	2.9	2.9	2.9
72.5°	2.4	2.4	2.4	2.4	2.4
75°	1.9	1.9	1.9	1.9	1.9
77.5°	1.3	1.3	1.6	1.6	1.3
80°	1.1	1.1	1.1	1.1	1.1
82.5°	0.8	0.8	0.8	0.8	0.8
85°	0.3	0.3	0.3	0.3	0.3
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)