

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: P1307506

Luminaire Tested: P3SQAS02R259030DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307506
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R259030DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

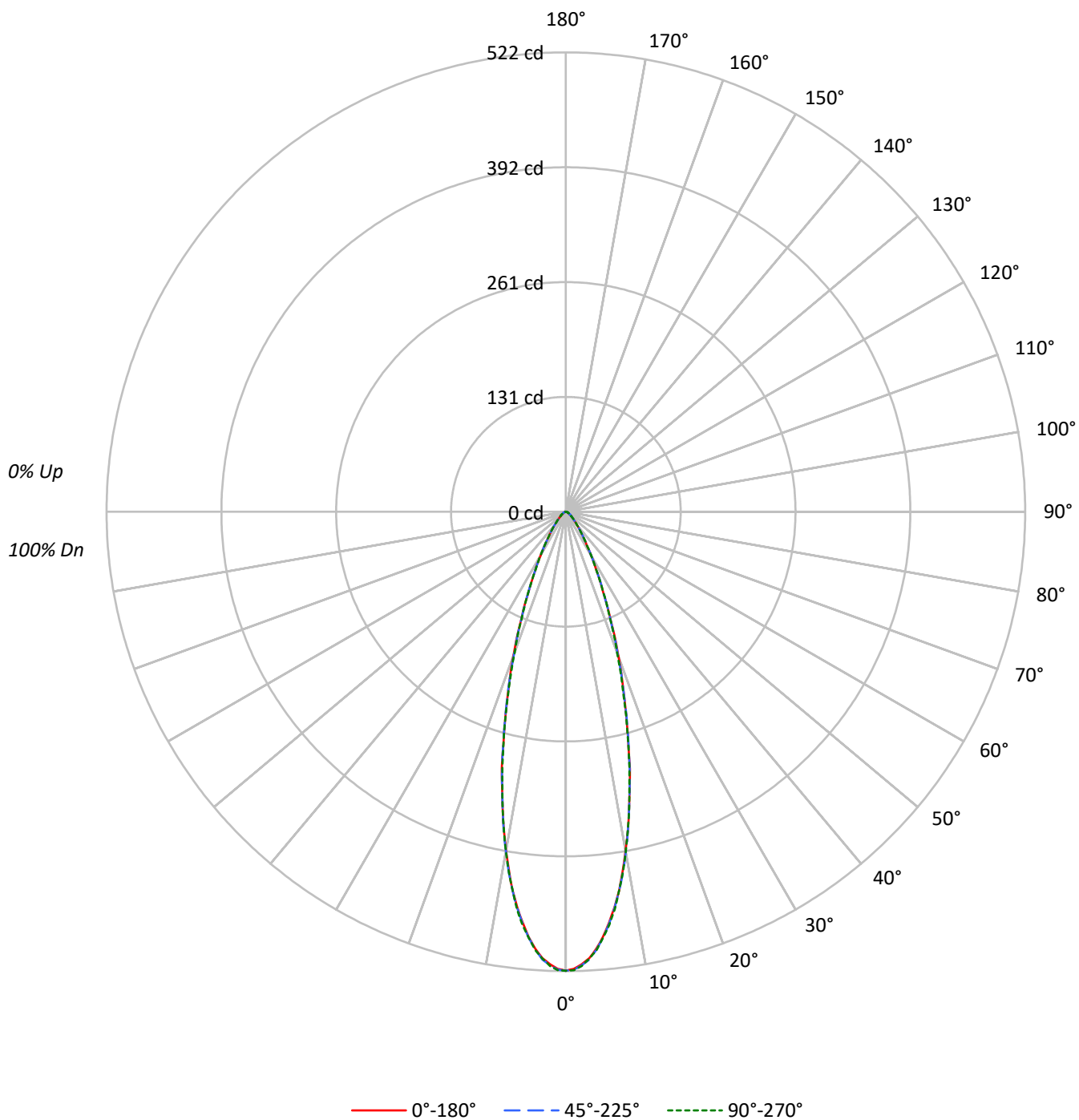
Lumens per Lamp: N/A
Luminaire Lumens: 209.0 lumens
Efficiency: N/A
Efficacy: 58.1 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82
6	91	83	78	74	90	82	77	73	81	76	73		79	76	72		78
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75
8	84	76	70	67	83	75	70	66	74	69	66		73	69	66		72
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	89831	89831	89831
5°	83847	83933	83968
10°	68395	68605	68605
15°	48854	49103	48854
20°	31963	31652	31212
25°	19003	19098	19003
30°	11455	11455	11395
35°	6980	7022	6980
40°	4451	4496	4496
45°	3093	3093	3093
50°	2224	2277	2277
55°	1772	1772	1832
60°	1412	1516	1516
65°	1304	1304	1304
70°	1108	1108	1209
75°	998	998	1131
80°	992	992	992
85°	395	395	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3093 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.3	20.7
10°-20°	75.6	36.1
20°-30°	47.5	22.7
30°-40°	21.7	10.4
40°-50°	10.1	4.9
50°-60°	5.5	2.6
60°-70°	3.2	1.5
70°-80°	1.7	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°	166.4	79.6
0°-40°	188.1	90.0
0°-60°	203.7	97.5
0°-90°	209.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	209.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	522	522	522	522	522	
5°	485	486	486	486	486	43
15°	274	276	275	276	274	76
25°	100	101	100	100	100	48
35°	33	33	33	33	33	22
45°	13	13	13	13	13	10
55°	6	6	6	6	6	5
65°	3	3	3	3	3	3
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°	521.6	521.6	521.6	521.6	521.6
1°	519.4	519.9	520.4	521.1	520.9
2°	514.5	515.5	515.8	516.7	516.5
3°	507.9	507.7	509.7	509.7	508.4
4°	497.7	498.2	498.7	499.2	499.4
5°	485.0	486.0	485.5	486.0	485.7
6°	469.4	470.9	470.6	471.1	471.8
7°	452.8	453.8	453.8	453.3	455.2
8°	434.8	434.0	435.2	434.8	434.5
9°	413.3	414.7	415.0	413.8	414.3
10°	391.1	392.1	392.3	393.0	392.3
11°	369.1	369.1	369.6	370.8	368.9
12°	345.2	347.4	345.2	346.2	345.2
13°	322.5	323.0	322.5	322.3	320.6
14°	301.1	299.4	299.8	297.9	298.1
15°	274.0	275.7	275.4	275.9	274.0
17.5°	220.3	221.3	221.0	220.5	218.1
20°	174.4	174.4	172.7	171.8	170.3
22.5°	133.2	132.7	132.0	131.3	131.7
25°	100.0	101.2	100.5	100.5	100.0
27.5°	75.6	77.1	75.9	75.1	75.6
30°	57.6	58.1	57.6	57.3	57.3
32.5°	43.4	43.7	43.4	43.4	43.4
35°	33.2	33.2	33.4	33.4	33.2
37.5°	25.6	25.6	25.6	25.6	25.9
40°	19.8	20.0	20.0	20.0	20.0
42.5°	15.6	15.9	15.9	15.9	15.9
45°	12.7	12.7	12.7	12.7	12.7
47.5°	10.2	10.2	10.2	10.2	10.5
50°	8.3	8.5	8.5	8.5	8.5
52.5°	7.1	7.1	7.1	7.1	7.1
55°	5.9	5.9	5.9	6.1	6.1
57.5°	4.9	4.9	5.1	5.1	5.1
60°	4.1	4.4	4.4	4.4	4.4
62.5°	3.7	3.7	3.9	3.9	3.9
65°	3.2	3.2	3.2	3.2	3.2
67.5°	2.7	2.7	2.7	2.7	2.9
70°	2.2	2.2	2.2	2.4	2.4
72.5°	2.0	2.0	2.0	2.0	2.0
75°	1.5	1.5	1.5	1.7	1.7
77.5°	1.2	1.2	1.2	1.2	1.2
80°	1.0	1.0	1.0	1.0	1.0
82.5°	0.5	0.5	0.7	0.7	0.7
85°	0.2	0.2	0.2	0.2	0.2
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)