

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: P1311971

Luminaire Tested: P3SQAS02R359727DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311971
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R359727DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

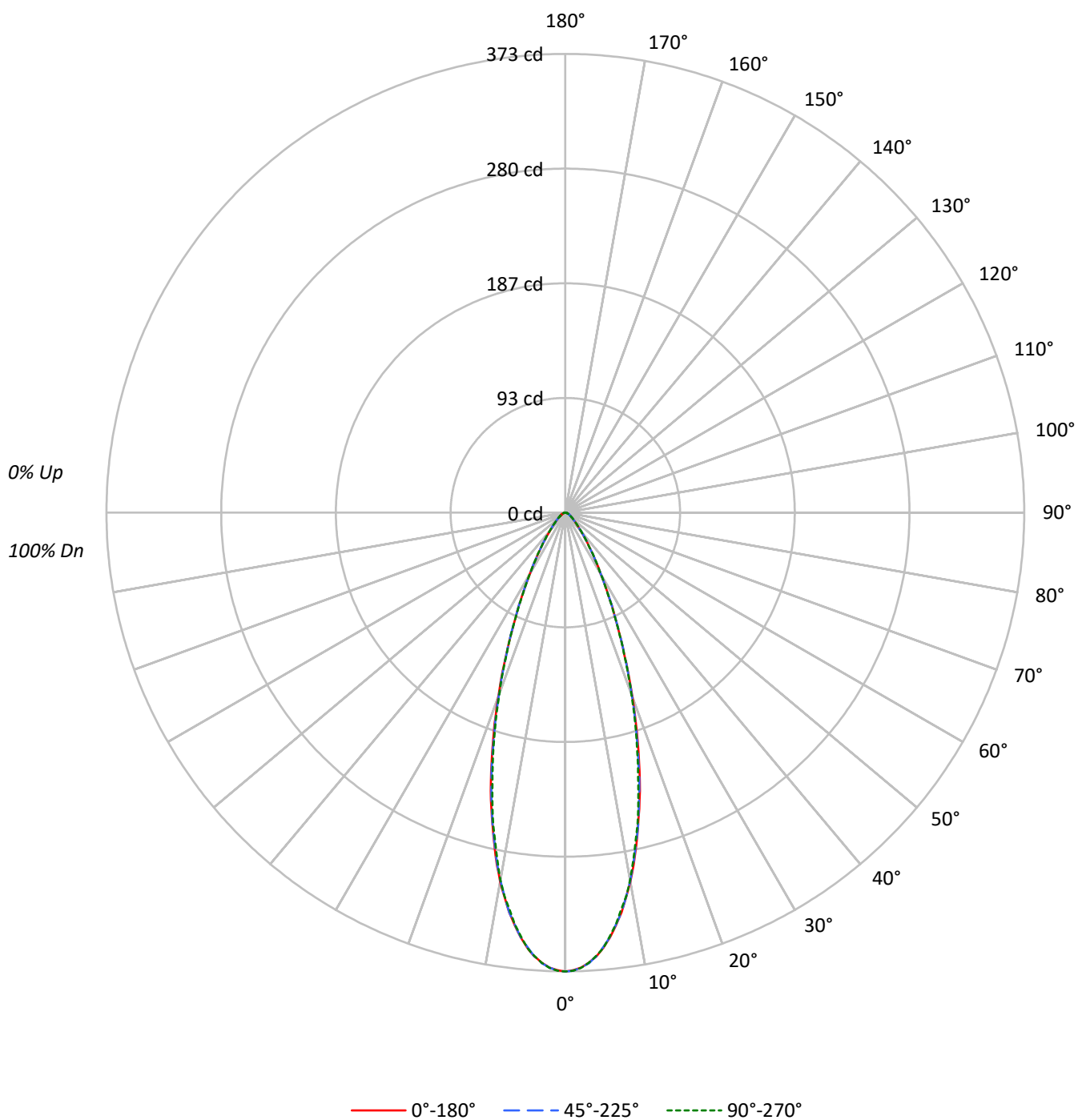
Lumens per Lamp: N/A
Luminaire Lumens: 184.0 lumens
Efficiency: N/A
Efficacy: 51.1 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	111	108	106	111	109	106	104	105	103	101		101	99	98		97	96	95	94
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93	91	89	87
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88	86	83	82
4	98	91	86	82	97	90	85	81	88	84	80		86	82	79		84	81	78	77
5	94	86	80	76	92	85	80	76	83	79	75		82	78	75		80	77	74	73
6	90	81	76	72	88	81	75	71	79	74	71		78	74	70		76	73	70	69
7	86	77	72	68	85	77	71	67	75	71	67		74	70	67		73	69	66	65
8	82	73	68	64	81	73	68	64	72	67	64		71	67	63		70	66	63	62
9	79	70	65	61	78	70	64	61	69	64	61		68	63	60		67	63	60	59
10	76	67	62	58	75	67	61	58	66	61	58		65	61	58		64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	64256	64256	64256
5°	61407	61286	61407
10°	53303	53128	53058
15°	41775	41436	40795
20°	29214	28958	28774
25°	18566	18680	18566
30°	11435	11514	11435
35°	7064	7106	7106
40°	4496	4541	4541
45°	3020	3069	3118
50°	2197	2251	2251
55°	1711	1711	1711
60°	1412	1412	1412
65°	1263	1263	1263
70°	1108	1108	1108
75°	932	932	932
80°	793	793	793
85°	395	395	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 3118 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.2	17.5
10°-20°	63.5	34.5
20°-30°	45.8	24.9
30°-40°	22.1	12.0
40°-50°	10.2	5.5
50°-60°	5.3	2.9
60°-70°	3.1	1.7
70°-80°	1.5	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°	141.5	76.9
0°-40°	163.6	88.9
0°-60°	179.0	97.3
0°-90°	184.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	184.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	373	373	373	373	373	
5°	355	356	354	355	355	32
15°	234	234	232	231	229	64
25°	98	98	98	98	98	46
35°	34	34	34	34	34	22
45°	12	13	13	13	13	10
55°	6	6	6	6	6	5
65°	3	3	3	3	3	3
75°	1	1	1	1	1	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°	373.1	373.1	373.1	373.1	373.1
1°	372.1	372.7	372.5	372.7	372.5
2°	370.2	370.6	370.2	370.4	370.4
3°	366.4	366.8	366.8	366.6	366.4
4°	361.7	362.7	361.7	361.9	361.3
5°	355.2	356.0	354.5	354.7	355.2
6°	347.2	347.4	347.0	346.8	346.4
7°	338.0	338.8	337.4	337.6	337.2
8°	328.2	328.0	328.0	327.2	326.0
9°	316.4	317.2	316.0	315.6	315.8
10°	304.8	304.8	303.8	302.8	303.4
11°	291.5	291.1	290.5	289.1	288.7
12°	277.1	277.9	276.0	275.4	274.0
13°	262.2	263.4	262.6	260.4	260.6
14°	248.3	247.5	246.9	246.5	245.1
15°	234.3	233.8	232.4	231.4	228.8
17.5°	195.7	196.1	193.5	193.1	192.1
20°	159.4	158.2	158.0	158.2	157.0
22.5°	125.8	127.0	125.6	125.8	125.0
25°	97.7	97.9	98.3	98.3	97.7
27.5°	75.8	75.8	75.4	75.8	75.2
30°	57.5	57.5	57.9	58.3	57.5
32.5°	44.4	44.4	44.4	44.6	44.9
35°	33.6	33.6	33.8	33.8	33.8
37.5°	25.9	26.1	26.3	26.3	26.3
40°	20.0	20.2	20.2	20.4	20.2
42.5°	15.9	15.9	15.9	16.1	16.1
45°	12.4	12.6	12.6	12.8	12.8
47.5°	10.2	10.2	10.2	10.4	10.4
50°	8.2	8.4	8.4	8.4	8.4
52.5°	6.7	6.7	6.9	6.9	6.9
55°	5.7	5.7	5.7	5.7	5.7
57.5°	4.7	4.9	4.9	4.9	4.9
60°	4.1	4.1	4.1	4.1	4.1
62.5°	3.5	3.5	3.5	3.5	3.5
65°	3.1	3.1	3.1	3.1	3.1
67.5°	2.4	2.7	2.7	2.7	2.7
70°	2.2	2.2	2.2	2.2	2.2
72.5°	1.6	1.8	1.8	1.8	1.8
75°	1.4	1.4	1.4	1.4	1.4
77.5°	1.2	1.0	1.0	1.0	1.2
80°	0.8	0.8	0.8	0.8	0.8
82.5°	0.6	0.6	0.6	0.6	0.6
85°	0.2	0.2	0.2	0.2	0.4
87.5°	0.0	0.0	0.0	0.2	0.2



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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)