

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: P1316671

Luminaire Tested: P3SQAS02R259830DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316671
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: P3SQAS02R259830DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

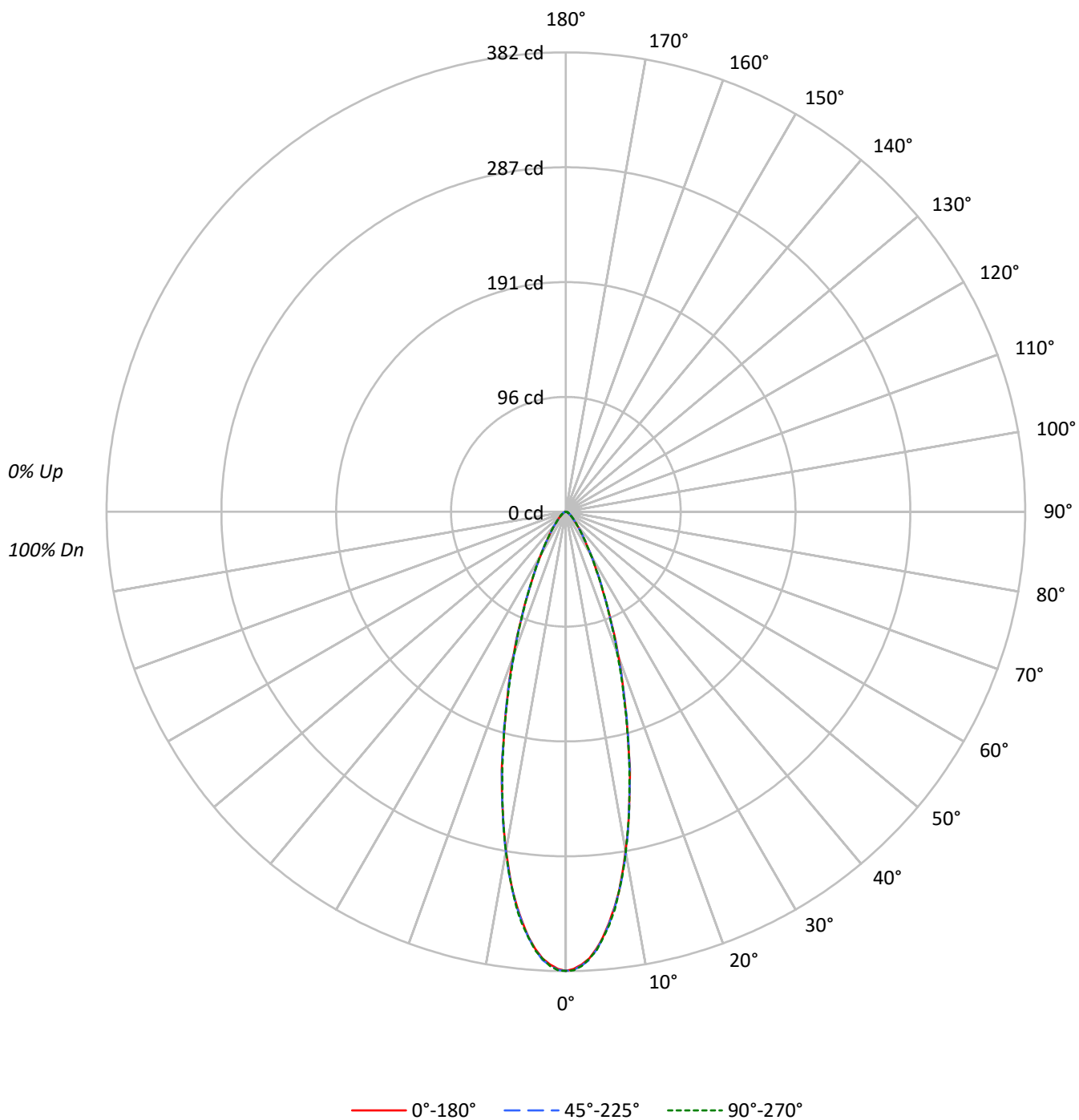
Lumens per Lamp: N/A
Luminaire Lumens: 153.0 lumens
Efficiency: N/A
Efficacy: 42.5 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	75	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	63	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°	65755	65755	65755
5°	61390	61442	61476
10°	50068	50225	50225
15°	35767	35945	35767
20°	23404	23166	22854
25°	13910	13986	13910
30°	8372	8372	8352
35°	5109	5151	5109
40°	3260	3282	3282
45°	2265	2265	2265
50°	1634	1688	1688
55°	1291	1291	1351
60°	1033	1102	1102
65°	937	937	937
70°	806	806	906
75°	732	732	865
80°	694	694	694
85°	395	395	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2265 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.7	20.7
10°-20°	55.3	36.1
20°-30°	34.8	22.7
30°-40°	15.9	10.4
40°-50°	7.4	4.9
50°-60°	4.0	2.6
60°-70°	2.4	1.5
70°-80°	1.2	0.8
80°-90°	0.3	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°	121.8	79.6
0°-40°	137.7	90.0
0°-60°	149.2	97.5
0°-90°	153.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	153.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	382	382	382	382	382	
5°	355	356	355	356	356	32
15°	201	202	202	202	201	55
25°	73	74	74	74	73	35
35°	24	24	24	24	24	16
45°	9	9	9	9	9	7
55°	4	4	4	4	4	4
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
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°	381.8	381.8	381.8	381.8	381.8
1°	380.2	380.6	381.0	381.5	381.3
2°	376.7	377.4	377.6	378.3	378.1
3°	371.8	371.7	373.1	373.1	372.2
4°	364.3	364.7	365.1	365.4	365.6
5°	355.1	355.8	355.4	355.8	355.6
6°	343.6	344.7	344.5	344.9	345.4
7°	331.5	332.2	332.2	331.8	333.3
8°	318.3	317.7	318.6	318.3	318.1
9°	302.5	303.6	303.8	302.9	303.3
10°	286.3	287.0	287.2	287.7	287.2
11°	270.2	270.2	270.6	271.5	270.0
12°	252.7	254.3	252.7	253.4	252.7
13°	236.1	236.5	236.1	235.9	234.7
14°	220.4	219.1	219.5	218.1	218.2
15°	200.6	201.8	201.6	202.0	200.6
17.5°	161.3	162.0	161.8	161.5	159.7
20°	127.7	127.7	126.4	125.7	124.7
22.5°	97.5	97.2	96.6	96.1	96.4
25°	73.2	74.1	73.6	73.6	73.2
27.5°	55.4	56.4	55.5	55.0	55.4
30°	42.1	42.5	42.1	42.0	42.0
32.5°	31.8	32.0	31.8	31.8	31.8
35°	24.3	24.3	24.5	24.5	24.3
37.5°	18.8	18.8	18.8	18.8	18.9
40°	14.5	14.6	14.6	14.6	14.6
42.5°	11.4	11.6	11.6	11.6	11.6
45°	9.3	9.3	9.3	9.3	9.3
47.5°	7.5	7.5	7.5	7.5	7.7
50°	6.1	6.3	6.3	6.3	6.3
52.5°	5.2	5.2	5.2	5.2	5.2
55°	4.3	4.3	4.3	4.5	4.5
57.5°	3.6	3.6	3.8	3.8	3.8
60°	3.0	3.2	3.2	3.2	3.2
62.5°	2.7	2.7	2.9	2.9	2.9
65°	2.3	2.3	2.3	2.3	2.3
67.5°	2.0	2.0	2.0	2.0	2.1
70°	1.6	1.6	1.6	1.8	1.8
72.5°	1.4	1.4	1.4	1.4	1.4
75°	1.1	1.1	1.1	1.3	1.3
77.5°	0.9	0.9	0.9	0.9	0.9
80°	0.7	0.7	0.7	0.7	0.7
82.5°	0.4	0.4	0.5	0.5	0.5
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)