

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: P1312990

Luminaire Tested: P3SQAS02R609730DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312990
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R609730DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

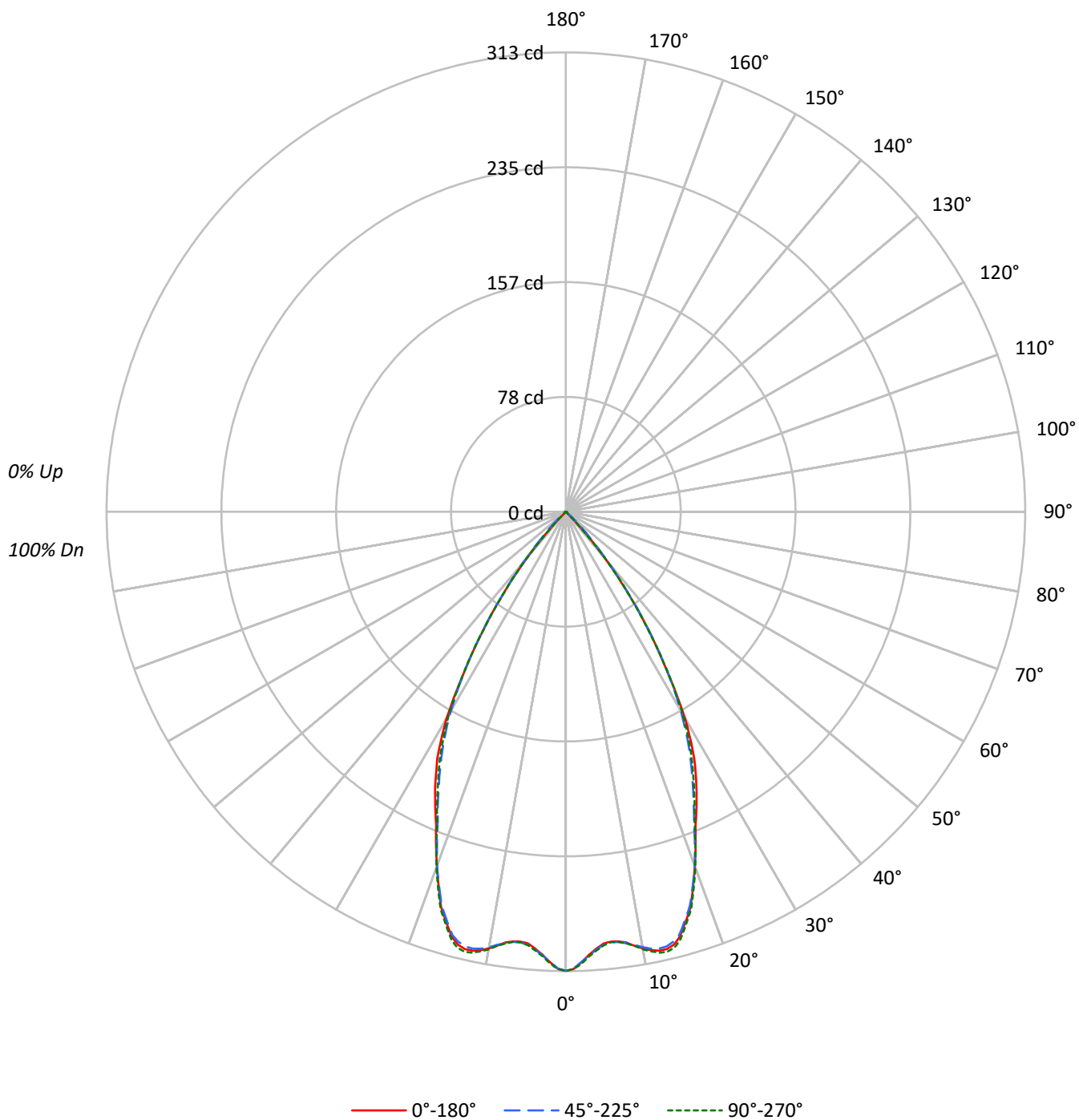
Lumens per Lamp: N/A
Luminaire Lumens: 279.0 lumens
Efficiency: N/A
Efficacy: 77.5 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.92 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	108	106	111	109	107	105	105	103	101		101	100	98		98
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	84		88
4	98	90	85	81	96	89	84	80	87	83	79		85	81	79		83
5	93	85	79	75	91	84	79	75	82	77	74		80	76	73		79
6	88	80	74	70	87	79	73	69	77	73	69		76	72	68		75
7	84	75	69	65	83	74	69	65	73	68	64		72	67	64		71
8	80	71	65	61	79	70	65	61	69	64	60		68	64	60		67
9	76	67	61	57	75	66	61	57	65	60	57		65	60	57		64
10	73	63	58	54	72	63	57	54	62	57	54		61	57	53		61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	53871	53871	53871
5°	51052	51207	51276
10°	52831	52674	52953
15°	53472	53240	53793
20°	47083	47047	47285
25°	40077	38898	39241
30°	32336	31202	31739
35°	20478	20646	20415
40°	9577	9960	9712
45°	585	3507	682
50°	295	831	295
55°	330	330	330
60°	310	310	310
65°	285	367	285
70°	352	352	352
75°	266	266	266
80°	198	198	198
85°	395	395	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3507 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.5	10.2
10°-20°	82.1	29.4
20°-30°	94.6	33.9
30°-40°	60.8	21.8
40°-50°	10.6	3.8
50°-60°	1.0	0.4
60°-70°	0.8	0.3
70°-80°	0.4	0.2
80°-90°	0.1	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°	205.3	73.6
0°-40°	266.0	95.4
0°-60°	277.6	99.5
0°-90°	279.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	279.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	313	313	313	313	313	
5°	295	296	296	297	297	28
15°	300	299	299	301	302	82
25°	211	208	205	205	206	96
35°	97	97	98	96	97	61
45°	2	7	14	8	3	8
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
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°	312.8	312.8	312.8	312.8	312.8
1°	311.5	311.3	311.1	311.3	311.5
2°	307.1	306.9	306.7	307.6	308.0
3°	302.3	302.5	302.8	303.2	303.4
4°	298.4	298.8	299.0	299.5	299.7
5°	295.3	296.0	296.2	296.9	296.6
6°	294.5	294.9	295.1	295.3	294.9
7°	294.9	295.1	295.3	295.8	295.3
8°	296.4	296.6	296.9	297.1	297.1
9°	299.5	299.0	298.8	299.7	299.5
10°	302.1	301.4	301.2	302.5	302.8
11°	304.3	303.4	303.2	304.7	305.2
12°	305.8	304.5	304.3	306.3	307.1
13°	305.8	304.1	304.1	306.3	307.6
14°	304.1	302.1	302.1	304.5	306.0
15°	299.9	298.8	298.6	300.6	301.7
17.5°	282.5	281.1	281.4	283.5	283.8
20°	256.9	256.3	256.7	257.1	258.0
22.5°	230.9	230.5	228.1	228.8	229.2
25°	210.9	208.5	204.7	205.0	206.5
27.5°	189.7	187.3	182.0	183.1	184.7
30°	162.6	160.7	156.9	157.6	159.6
32.5°	127.7	131.6	128.1	129.2	128.6
35°	97.4	96.7	98.2	96.3	97.1
37.5°	68.5	68.8	69.4	67.7	67.7
40°	42.6	43.7	44.3	43.4	43.2
42.5°	17.9	24.4	25.8	24.4	18.1
45°	2.4	7.2	14.4	8.5	2.8
47.5°	1.1	1.5	7.6	1.5	1.1
50°	1.1	1.1	3.1	1.1	1.1
52.5°	1.1	1.1	1.1	1.1	1.1
55°	1.1	1.1	1.1	1.1	1.1
57.5°	1.1	1.1	1.1	1.1	1.1
60°	0.9	0.9	0.9	0.9	0.9
62.5°	0.9	0.9	0.9	0.9	0.9
65°	0.7	0.9	0.9	0.9	0.7
67.5°	0.7	0.7	0.7	0.7	0.7
70°	0.7	0.7	0.7	0.7	0.7
72.5°	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4
77.5°	0.4	0.4	0.4	0.4	0.4
80°	0.2	0.2	0.2	0.2	0.2
82.5°	0.2	0.2	0.2	0.2	0.2
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)