

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: P1316022

Luminaire Tested: P3SQAS05R609827DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316022
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: P3SQAS05R609827DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

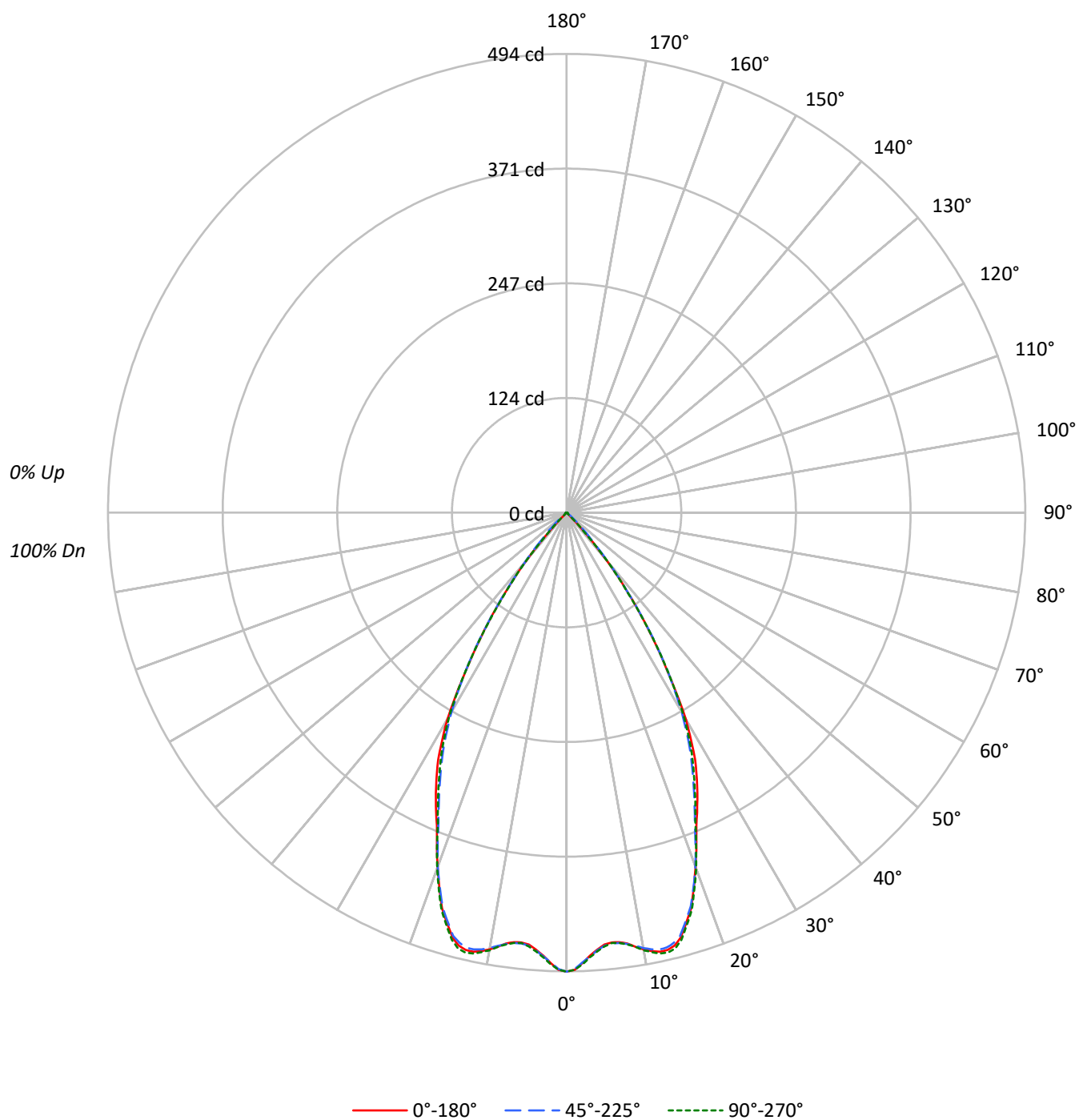
Lumens per Lamp: N/A
Luminaire Lumens: 440.9 lumens
Efficiency: N/A
Efficacy: 61.2 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.92 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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°	85147	85147	85147
5°	80701	80943	81064
10°	83505	83260	83697
15°	84531	84157	85012
20°	74428	74373	74740
25°	63336	61493	62025
30°	51108	49339	50154
35°	32357	32651	32273
40°	15130	15737	15355
45°	926	5553	1096
50°	455	1286	455
55°	510	510	510
60°	482	482	482
65°	408	571	408
70°	504	504	504
75°	466	466	466
80°	298	298	298
85°	593	593	593

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 5553 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.1	10.2
10°-20°	129.8	29.4
20°-30°	149.6	33.9
30°-40°	96.1	21.8
40°-50°	16.7	3.8
50°-60°	1.6	0.4
60°-70°	1.2	0.3
70°-80°	0.7	0.2
80°-90°	0.2	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°	324.4	73.6
0°-40°	420.5	95.4
0°-60°	438.8	99.5
0°-90°	440.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	440.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	494	494	494	494	494	
5°	467	468	468	469	469	45
15°	474	472	472	475	477	130
25°	333	330	324	324	326	152
35°	154	153	155	152	154	96
45°	4	11	23	14	4	13
55°	2	2	2	2	2	1
65°	1	1	1	1	1	1
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°	494.4	494.4	494.4	494.4	494.4
1°	492.4	492.0	491.7	492.0	492.4
2°	485.5	485.1	484.8	486.1	486.8
3°	477.9	478.2	478.6	479.2	479.6
4°	471.7	472.3	472.7	473.4	473.7
5°	466.8	467.9	468.2	469.2	468.9
6°	465.4	466.1	466.5	466.8	466.1
7°	466.1	466.5	466.8	467.5	466.8
8°	468.5	468.9	469.2	469.6	469.6
9°	473.4	472.7	472.3	473.7	473.4
10°	477.5	476.5	476.1	478.2	478.6
11°	481.0	479.6	479.2	481.7	482.3
12°	483.4	481.3	481.0	484.1	485.5
13°	483.4	480.6	480.6	484.1	486.1
14°	480.6	477.5	477.5	481.3	483.7
15°	474.1	472.3	472.0	475.1	476.8
17.5°	446.5	444.4	444.7	448.2	448.5
20°	406.1	405.1	405.8	406.4	407.8
22.5°	365.0	364.3	360.6	361.6	362.3
25°	333.3	329.5	323.6	324.0	326.4
27.5°	299.8	296.0	287.8	289.5	291.9
30°	257.0	253.9	248.1	249.1	252.2
32.5°	201.8	208.1	202.5	204.3	203.2
35°	153.9	152.8	155.3	152.2	153.5
37.5°	108.3	108.7	109.7	107.0	107.0
40°	67.3	69.0	70.0	68.7	68.3
42.5°	28.3	38.6	40.7	38.6	28.6
45°	3.8	11.4	22.8	13.5	4.5
47.5°	1.7	2.4	12.1	2.4	1.7
50°	1.7	1.7	4.8	1.7	1.7
52.5°	1.7	1.7	1.7	1.7	1.7
55°	1.7	1.7	1.7	1.7	1.7
57.5°	1.7	1.7	1.7	1.7	1.7
60°	1.4	1.4	1.4	1.4	1.4
62.5°	1.4	1.4	1.4	1.4	1.4
65°	1.0	1.4	1.4	1.4	1.0
67.5°	1.0	1.0	1.0	1.0	1.0
70°	1.0	1.0	1.0	1.0	1.0
72.5°	0.7	0.7	0.7	0.7	0.7
75°	0.7	0.7	0.7	0.7	0.7
77.5°	0.7	0.7	0.7	0.7	0.7
80°	0.3	0.3	0.3	0.3	0.3
82.5°	0.3	0.3	0.3	0.3	0.3
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)