

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: P1316021

Luminaire Tested: P3SQAS05R609827DE010 E3SQCD1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316021
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-29)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R609827DE010 E3SQCD1MMS
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 98CRI , E3SQCD1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

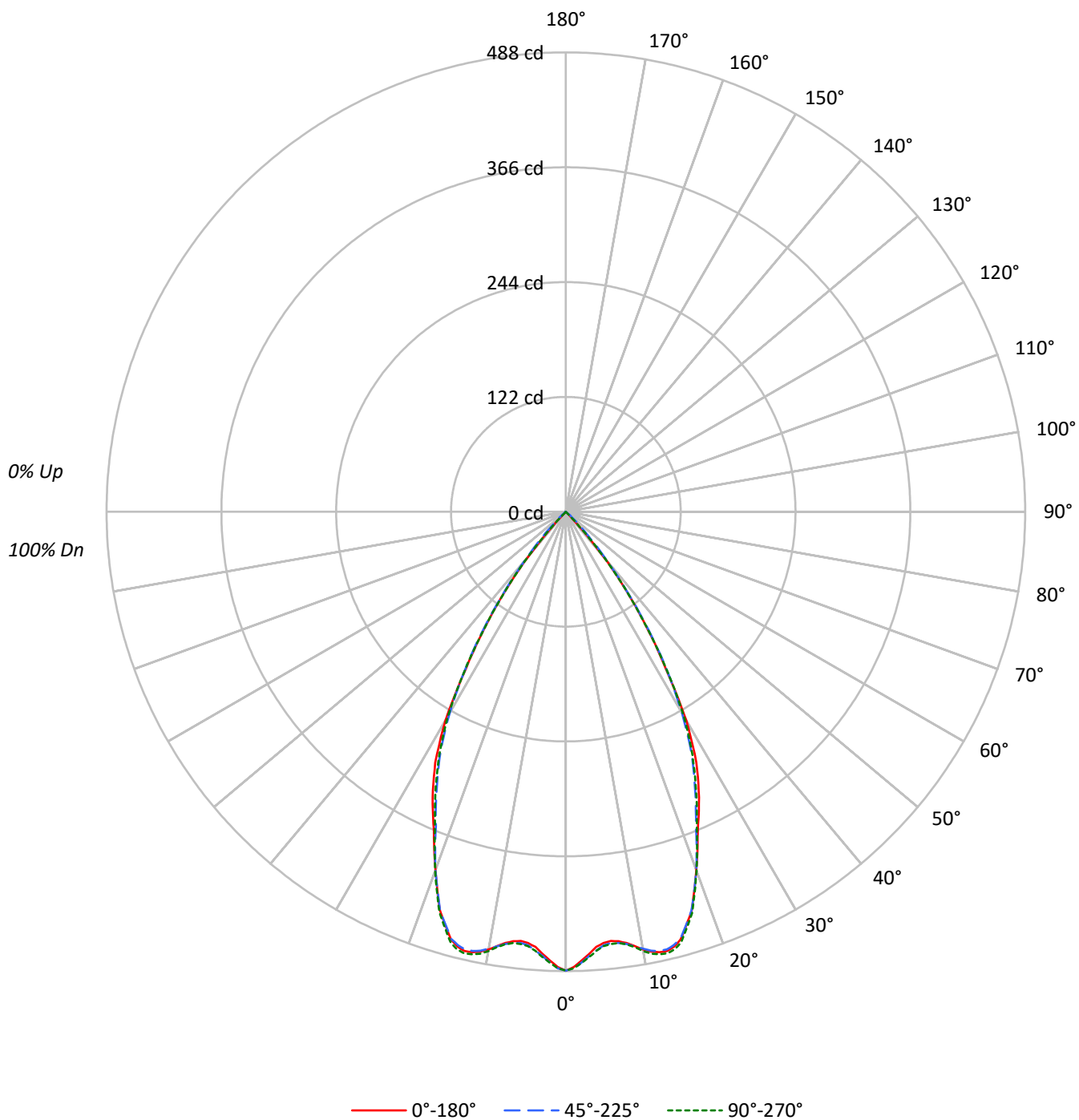
Lumens per Lamp: N/A
Luminaire Lumens: 432.0 lumens
Efficiency: N/A
Efficacy: 60.0 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.93 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			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	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86		91	88	85		88	86	84	82
4	98	91	86	81	96	90	85	81	88	83	80		86	82	79		84	81	78	77
5	93	85	80	76	92	84	79	75	83	78	75		81	77	74		79	76	73	72
6	89	80	74	70	87	79	74	70	78	73	70		77	72	69		75	72	69	67
7	85	76	70	66	83	75	69	65	74	69	65		72	68	65		71	67	64	63
8	81	71	66	62	79	71	65	61	70	65	61		69	64	61		68	64	61	59
9	77	67	62	58	76	67	61	58	66	61	57		65	61	57		64	60	57	56
10	73	64	58	54	72	63	58	54	63	58	54		62	57	54		61	57	54	53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	83959	83959	83959
5°	79508	79923	80044
10°	82543	82421	82893
15°	83907	83782	84406
20°	74245	74245	74373
25°	63640	61740	62253
30°	50910	49060	49816
35°	31579	32231	31516
40°	13871	15265	14254
45°	170	4944	414
50°	0	563	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 4944 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.5	10.3
10°-20°	129.1	29.9
20°-30°	149.8	34.7
30°-40°	94.4	21.8
40°-50°	14.2	3.3
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	323.4	74.9
0°-40°	417.8	96.7
0°-60°	432.0	100.0
0°-90°	432.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	432.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	488	488	488	488	488	
5°	460	462	462	463	463	44
15°	471	469	470	473	473	129
25°	335	331	325	326	328	152
35°	150	151	153	150	150	94
45°	1	6	20	9	2	9
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
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°	487.5	487.5	487.5	487.5	487.5
1°	483.7	485.1	485.1	485.4	485.1
2°	477.1	479.2	479.2	480.2	479.6
3°	470.6	472.3	472.7	474.0	473.7
4°	463.4	466.1	467.2	467.8	467.5
5°	459.9	461.6	462.3	463.4	463.0
6°	458.5	459.9	460.6	461.6	461.6
7°	459.6	460.6	461.6	462.3	461.6
8°	462.7	463.7	463.7	465.1	464.1
9°	467.2	467.5	467.5	469.2	468.2
10°	472.0	471.3	471.3	473.7	474.0
11°	476.1	475.4	475.1	477.5	478.2
12°	478.5	477.1	477.1	480.2	480.6
13°	478.9	477.1	477.1	480.2	481.3
14°	476.1	474.0	474.4	477.8	478.9
15°	470.6	468.9	469.9	473.0	473.4
17.5°	444.4	443.4	444.1	446.1	446.5
20°	405.1	404.5	405.1	405.1	405.8
22.5°	366.2	364.5	361.0	363.1	363.5
25°	334.9	331.1	324.9	326.2	327.6
27.5°	300.4	295.6	289.0	290.8	291.1
30°	256.0	253.6	246.7	248.4	250.5
32.5°	197.7	204.3	200.2	199.8	200.2
35°	150.2	150.6	153.3	150.2	149.9
37.5°	105.1	105.4	107.5	104.0	104.4
40°	61.7	66.1	67.9	66.5	63.4
42.5°	19.3	34.1	38.6	33.4	21.4
45°	0.7	6.5	20.3	8.6	1.7
47.5°	0.0	0.3	9.6	0.7	0.0
50°	0.0	0.0	2.1	0.0	0.0
52.5°	0.0	0.0	0.3	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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)