

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: P1306637

Luminaire Tested: P3SQAS05R609027DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306637
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: P3SQAS05R609027DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

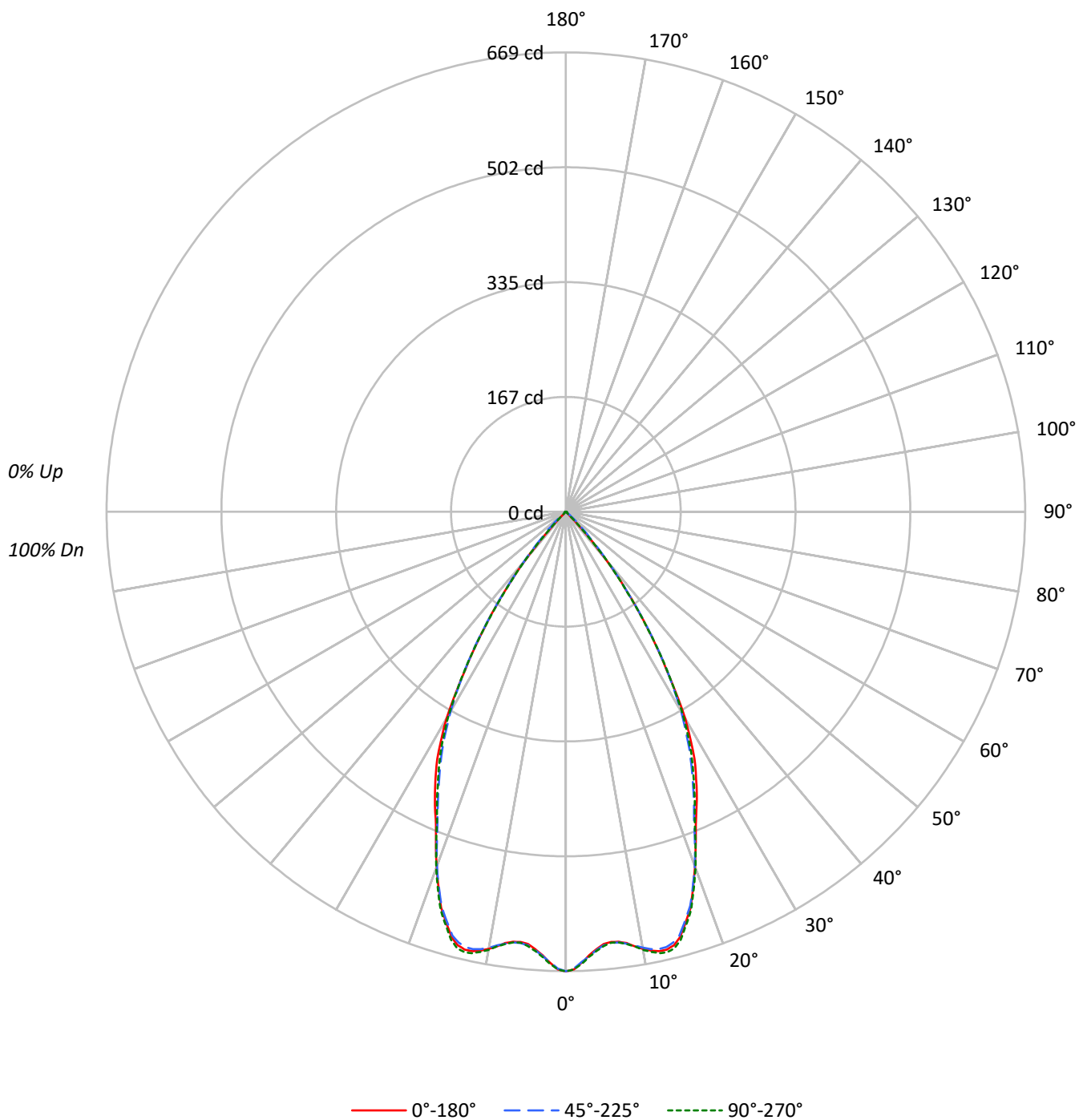
Lumens per Lamp: N/A
Luminaire Lumens: 597.0 lumens
Efficiency: N/A
Efficacy: 82.9 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.92 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	115269	115269	115269
5°	109260	109572	109745
10°	113042	112727	113287
15°	114432	113932	115091
20°	100765	100673	101186
25°	85740	83251	83973
30°	69205	66779	67893
35°	43794	44194	43689
40°	20481	21313	20796
45°	1242	7502	1486
50°	616	1742	616
55°	691	691	691
60°	654	654	654
65°	571	774	571
70°	705	705	705
75°	599	599	599
80°	496	496	496
85°	988	988	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 7502 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.0	10.2
10°-20°	175.7	29.4
20°-30°	202.5	33.9
30°-40°	130.0	21.8
40°-50°	22.6	3.8
50°-60°	2.1	0.4
60°-70°	1.7	0.3
70°-80°	1.0	0.2
80°-90°	0.3	0.1
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°	439.2	73.6
0°-40°	569.3	95.4
0°-60°	594.0	99.5
0°-90°	597.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	597.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	669	669	669	669	669	
5°	632	633	634	635	635	61
15°	642	639	639	643	646	176
25°	451	446	438	439	442	206
35°	208	207	210	206	208	130
45°	5	15	31	18	6	17
55°	2	2	2	2	2	2
65°	1	2	2	2	1	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°	669.3	669.3	669.3	669.3	669.3
1°	666.5	666.1	665.6	666.1	666.5
2°	657.2	656.7	656.2	658.1	659.0
3°	646.9	647.4	647.8	648.8	649.2
4°	638.5	639.4	639.9	640.8	641.3
5°	632.0	633.4	633.8	635.2	634.8
6°	630.1	631.0	631.5	632.0	631.0
7°	631.0	631.5	632.0	632.9	632.0
8°	634.3	634.8	635.2	635.7	635.7
9°	640.8	639.9	639.4	641.3	640.8
10°	646.4	645.0	644.6	647.4	647.8
11°	651.1	649.2	648.8	652.0	653.0
12°	654.4	651.6	651.1	655.3	657.2
13°	654.4	650.6	650.6	655.3	658.1
14°	650.6	646.4	646.4	651.6	654.8
15°	641.8	639.4	639.0	643.2	645.5
17.5°	604.4	601.6	602.1	606.7	607.2
20°	549.8	548.3	549.3	550.2	552.1
22.5°	494.2	493.2	488.1	489.5	490.4
25°	451.2	446.1	438.1	438.6	441.9
27.5°	405.9	400.8	389.5	391.9	395.1
30°	348.0	343.8	335.8	337.2	341.4
32.5°	273.2	281.6	274.2	276.5	275.1
35°	208.3	206.9	210.2	206.0	207.8
37.5°	146.7	147.1	148.5	144.8	144.8
40°	91.1	93.4	94.8	92.9	92.5
42.5°	38.3	52.3	55.1	52.3	38.8
45°	5.1	15.4	30.8	18.2	6.1
47.5°	2.3	3.3	16.3	3.3	2.3
50°	2.3	2.3	6.5	2.3	2.3
52.5°	2.3	2.3	2.3	2.3	2.3
55°	2.3	2.3	2.3	2.3	2.3
57.5°	2.3	2.3	2.3	2.3	2.3
60°	1.9	1.9	1.9	1.9	1.9
62.5°	1.9	1.9	1.9	1.9	1.9
65°	1.4	1.9	1.9	1.9	1.4
67.5°	1.4	1.4	1.4	1.4	1.4
70°	1.4	1.4	1.4	1.4	1.4
72.5°	0.9	0.9	0.9	0.9	0.9
75°	0.9	0.9	0.9	0.9	0.9
77.5°	0.9	0.9	0.9	0.9	0.9
80°	0.5	0.5	0.5	0.5	0.5
82.5°	0.5	0.5	0.5	0.5	0.5
85°	0.5	0.5	0.5	0.5	0.5
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)