

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: P1309921

Luminaire Tested: P3SQAS05R309040DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309921
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R309040DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

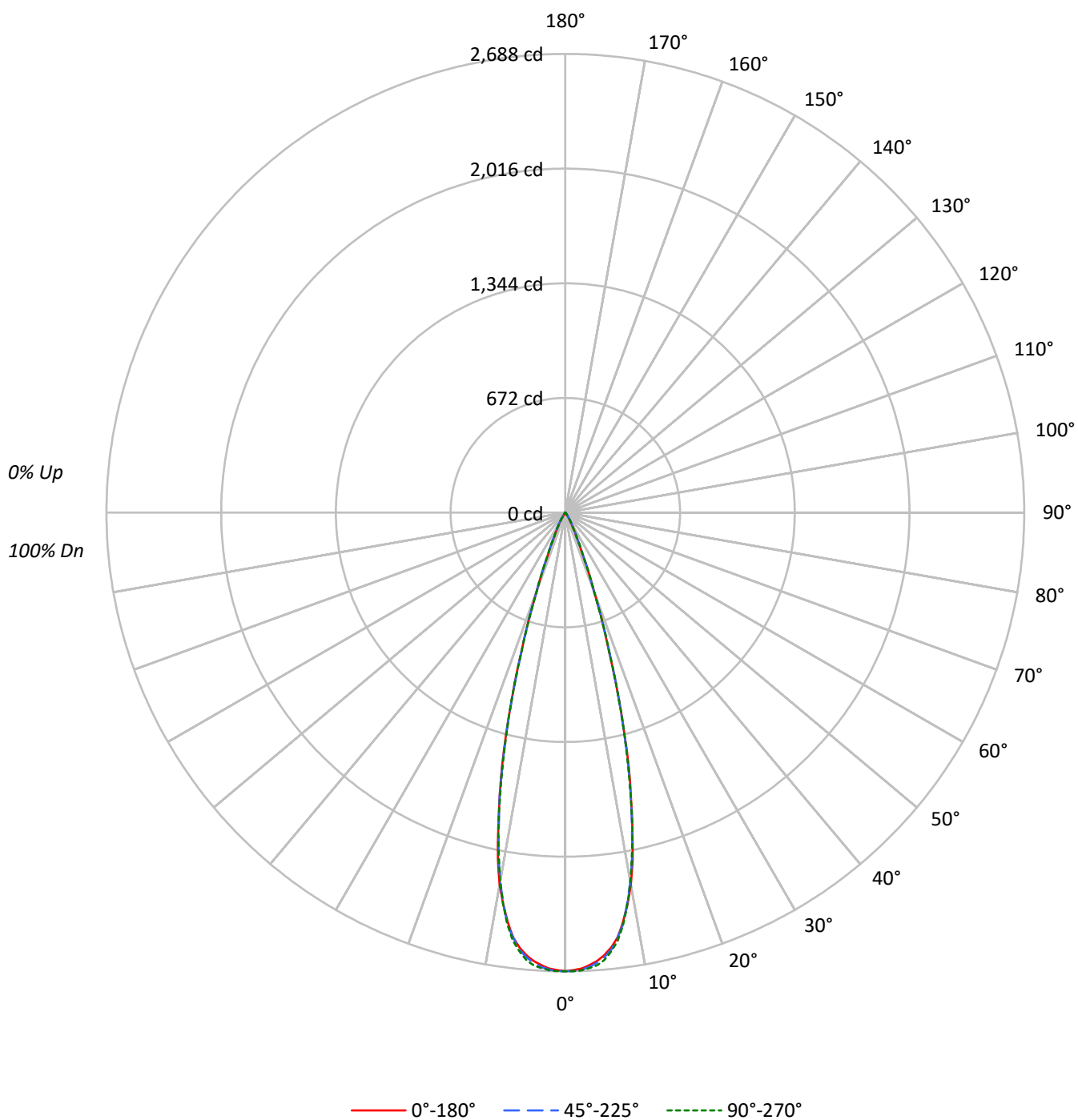
Lumens per Lamp: N/A
Luminaire Lumens: 699.0 lumens
Efficiency: N/A
Efficacy: 97.1 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	115	113	111	109	113	111	109	108	107	106	104		103	102	101		100
2	111	108	105	102	109	106	104	101	103	101	99		100	99	97		98
3	108	103	100	97	106	102	99	96	100	97	95		97	95	93		95
4	105	99	96	93	103	98	95	92	96	93	91		95	92	90		93
5	102	96	92	89	100	95	91	89	94	90	88		92	89	87		91
6	99	93	89	86	98	92	88	85	91	87	85		90	87	84		88
7	96	90	86	83	95	89	85	83	88	85	82		87	84	82		86
8	94	87	83	80	93	87	83	80	86	82	80		85	82	80		84
9	91	85	81	78	90	84	80	78	83	80	78		83	80	77		82
10	89	82	78	76	88	82	78	76	81	78	76		81	78	75		80

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	462866	462866	462866
5°	450198	452152	454952
10°	387113	383825	384193
15°	237867	235942	236138
20°	90538	90721	89054
25°	28789	30328	28903
30°	11574	14378	11912
35°	3742	6349	3742
40°	1686	2788	1686
45°	658	1193	658
50°	295	589	295
55°	330	330	330
60°	379	379	379
65°	204	204	204
70°	252	252	252
75°	333	333	333
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1193 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.1	33.9
10°-20°	351.7	50.3
20°-30°	87.4	12.5
30°-40°	17.4	2.5
40°-50°	3.2	0.5
50°-60°	1.0	0.1
60°-70°	0.7	0.1
70°-80°	0.5	0.1
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°	676.2	96.7
0°-40°	693.6	99.2
0°-60°	697.8	99.8
0°-90°	699.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	699.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2688	2688	2688	2688	2688	
5°	2604	2613	2615	2619	2632	237
15°	1334	1337	1323	1328	1324	353
25°	152	155	160	158	152	85
35°	18	23	30	23	18	14
45°	3	3	5	4	3	2
55°	1	1	1	1	1	1
65°	0	0	0	0	0	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°	2687.6	2687.6	2687.6	2687.6	2687.6
1°	2681.7	2684.9	2687.1	2687.1	2687.1
2°	2674.2	2676.3	2679.6	2680.1	2684.4
3°	2656.4	2661.2	2666.6	2669.8	2672.0
4°	2634.8	2641.3	2644.5	2652.6	2659.6
5°	2604.1	2612.7	2615.4	2619.2	2631.6
6°	2562.5	2569.0	2574.4	2576.0	2583.6
7°	2507.5	2510.8	2509.7	2512.4	2525.9
8°	2423.9	2425.0	2434.2	2428.3	2437.4
9°	2324.7	2320.4	2318.3	2322.6	2323.1
10°	2213.6	2199.1	2194.8	2191.0	2196.9
11°	2069.7	2050.8	2052.4	2051.3	2042.7
12°	1890.6	1888.5	1874.4	1877.1	1890.1
13°	1707.8	1711.6	1708.9	1712.1	1697.6
14°	1536.3	1518.0	1522.9	1504.5	1511.5
15°	1334.1	1336.8	1323.3	1327.6	1324.4
17.5°	854.2	860.1	855.8	852.0	858.0
20°	494.0	493.4	495.0	490.2	485.9
22.5°	259.9	263.7	268.5	269.1	272.3
25°	151.5	154.8	159.6	157.5	152.1
27.5°	92.8	98.7	106.2	100.8	94.4
30°	58.2	63.1	72.3	63.6	59.9
32.5°	32.9	39.9	47.5	39.9	32.9
35°	17.8	23.2	30.2	22.6	17.8
37.5°	11.9	13.5	20.0	13.5	11.9
40°	7.5	9.2	12.4	9.2	7.5
42.5°	4.3	5.9	7.0	5.9	4.3
45°	2.7	3.2	4.9	3.8	2.7
47.5°	1.1	1.6	3.2	1.6	1.6
50°	1.1	1.1	2.2	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°	1.1	1.1	1.1	1.1	1.1
62.5°	1.1	1.1	1.1	1.1	1.1
65°	0.5	0.5	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5
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)