

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: P1308383

Luminaire Tested: P3SQAS20R609030D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308383
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: P3SQAS20R609030D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

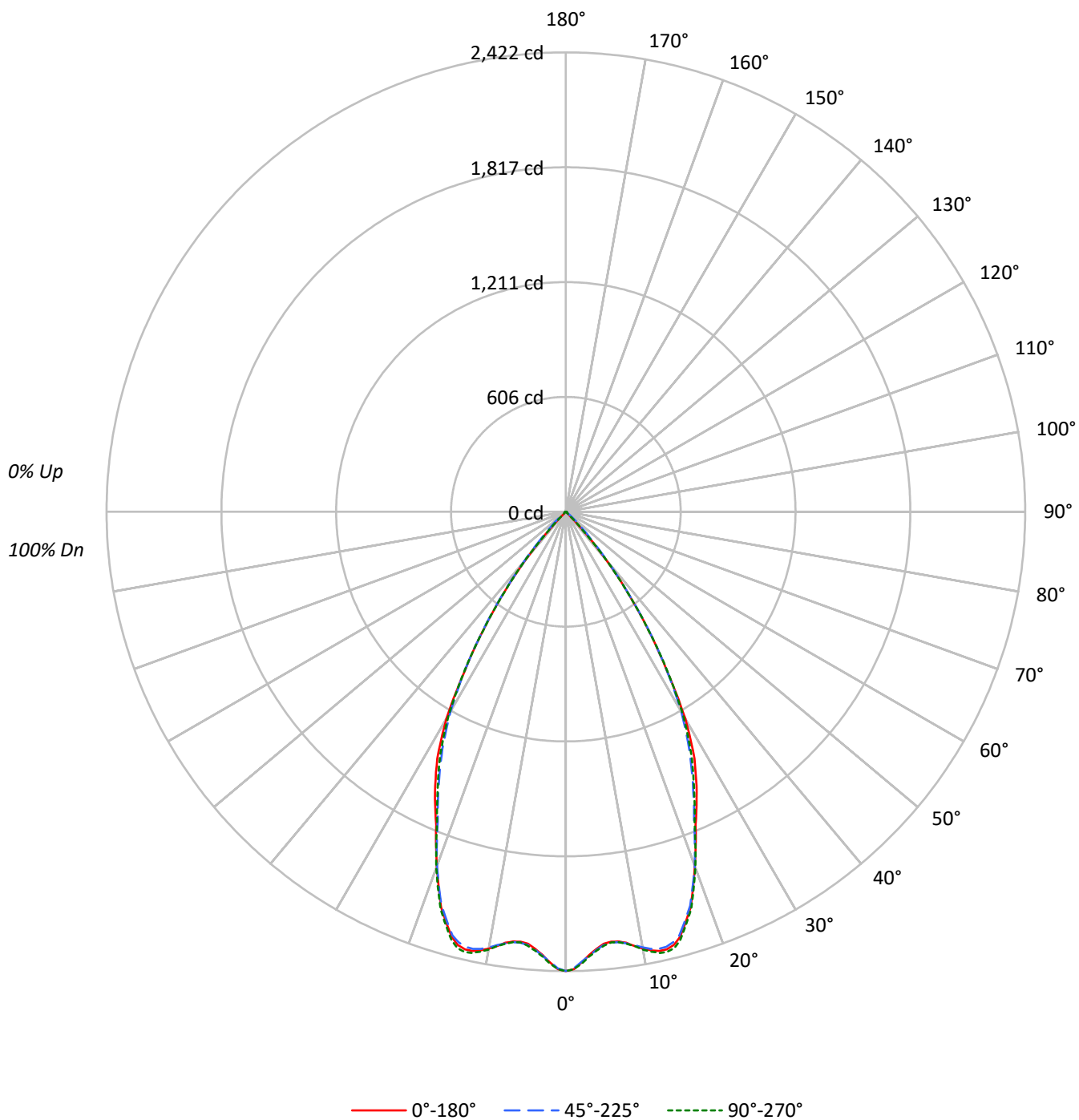
Lumens per Lamp: N/A
Luminaire Lumens: 2160.0 lumens
Efficiency: N/A
Efficacy: 75.0 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.92 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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°	417072	417072	417072
5°	395291	396450	397037
10°	409026	407836	409900
15°	414008	412189	416415
20°	364535	364242	366093
25°	310219	301230	303796
30°	250372	241642	245659
35°	158462	159891	158104
40°	74078	77136	75225
45°	4530	27157	5358
50°	2251	6350	2251
55°	2522	2522	2522
60°	2342	2342	2342
65°	2078	2771	2078
70°	2568	2568	2568
75°	2262	2262	2262
80°	1686	1686	1686
85°	3359	3359	3359

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 27157 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.7	10.2
10°-20°	635.7	29.4
20°-30°	732.8	33.9
30°-40°	470.5	21.8
40°-50°	81.8	3.8
50°-60°	7.8	0.4
60°-70°	6.0	0.3
70°-80°	3.6	0.2
80°-90°	1.2	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°	1589.1	73.6
0°-40°	2059.7	95.4
0°-60°	2149.3	99.5
0°-90°	2160.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2160.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2422	2422	2422	2422	2422	
5°	2286	2292	2293	2298	2297	220
15°	2322	2314	2312	2327	2336	636
25°	1632	1614	1585	1587	1599	744
35°	754	749	760	745	752	470
45°	19	56	112	66	22	62
55°	8	8	8	8	8	7
65°	5	7	7	7	5	6
75°	3	3	3	3	3	4
85°	2	2	2	2	2	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2421.7	2421.7	2421.7	2421.7	2421.7
1°	2411.5	2409.8	2408.1	2409.8	2411.5
2°	2377.7	2376.0	2374.4	2381.1	2384.5
3°	2340.6	2342.2	2343.9	2347.3	2349.0
4°	2310.1	2313.5	2315.2	2318.6	2320.3
5°	2286.5	2291.5	2293.2	2298.3	2296.6
6°	2279.7	2283.1	2284.8	2286.5	2283.1
7°	2283.1	2284.8	2286.5	2289.9	2286.5
8°	2294.9	2296.6	2298.3	2300.0	2300.0
9°	2318.6	2315.2	2313.5	2320.3	2318.6
10°	2338.9	2333.8	2332.1	2342.2	2343.9
11°	2355.8	2349.0	2347.3	2359.1	2362.5
12°	2367.6	2357.5	2355.8	2371.0	2377.7
13°	2367.6	2354.1	2354.1	2371.0	2381.1
14°	2354.1	2338.9	2338.9	2357.5	2369.3
15°	2322.0	2313.5	2311.8	2327.0	2335.5
17.5°	2186.8	2176.6	2178.3	2195.2	2196.9
20°	1989.0	1984.0	1987.4	1990.7	1997.5
22.5°	1787.9	1784.6	1766.0	1771.0	1774.4
25°	1632.5	1613.9	1585.2	1586.8	1598.7
27.5°	1468.5	1450.0	1409.4	1417.9	1429.7
30°	1259.0	1243.8	1215.1	1220.1	1235.3
32.5°	988.6	1019.0	992.0	1000.4	995.4
35°	753.7	748.6	760.5	745.3	752.0
37.5°	530.6	532.3	537.4	523.9	523.9
40°	329.5	338.0	343.1	336.3	334.6
42.5°	138.6	189.3	199.4	189.3	140.3
45°	18.6	55.8	111.5	65.9	22.0
47.5°	8.4	11.8	59.1	11.8	8.4
50°	8.4	8.4	23.7	8.4	8.4
52.5°	8.4	8.4	8.4	8.4	8.4
55°	8.4	8.4	8.4	8.4	8.4
57.5°	8.4	8.4	8.4	8.4	8.4
60°	6.8	6.8	6.8	6.8	6.8
62.5°	6.8	6.8	6.8	6.8	6.8
65°	5.1	6.8	6.8	6.8	5.1
67.5°	5.1	5.1	5.1	5.1	5.1
70°	5.1	5.1	5.1	5.1	5.1
72.5°	3.4	3.4	3.4	3.4	3.4
75°	3.4	3.4	3.4	3.4	3.4
77.5°	3.4	3.4	3.4	3.4	3.4
80°	1.7	1.7	1.7	1.7	1.7
82.5°	1.7	1.7	1.7	1.7	1.7
85°	1.7	1.7	1.7	1.7	1.7
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)