

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: P1317434

Luminaire Tested: P3SQAS20R359830D010 E3SQPHL1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317434
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R359830D010 E3SQPHL1MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 98CRI , E3SQPHL1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

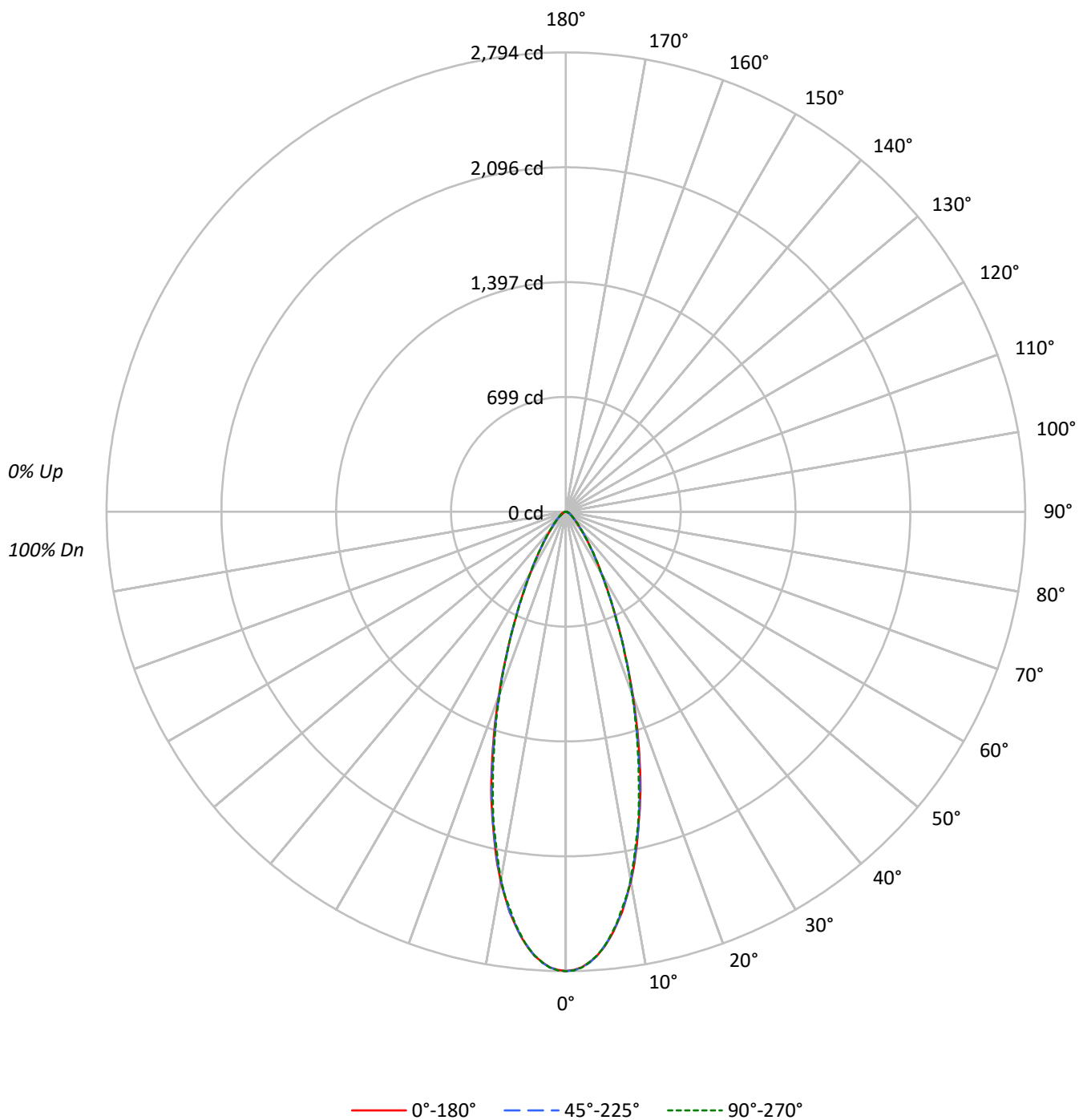
Lumens per Lamp: N/A
Luminaire Lumens: 1378.0 lumens
Efficiency: N/A
Efficacy: 50.3 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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	106	104	105	103	101		101	99	98		97
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	85		88
4	98	91	86	82	97	90	85	81	88	84	80		86	82	79		84
5	94	86	80	76	92	85	80	76	83	79	75		82	78	75		80
6	90	81	76	72	88	81	75	71	79	74	71		78	74	70		76
7	86	77	72	68	85	77	71	67	75	71	67		74	70	67		73
8	82	73	68	64	81	73	68	64	72	67	64		71	67	63		70
9	79	70	65	61	78	70	64	61	69	64	61		68	63	60		67
10	76	67	62	58	75	67	61	58	66	61	58		65	61	58		64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	481225	481225	481225
5°	459828	459032	459828
10°	399197	397851	397326
15°	312806	310345	305442
20°	218831	216870	215477
25°	138985	139841	138985
30°	85632	86228	85632
35°	52961	53297	53297
40°	33633	33993	33993
45°	22675	23065	23430
50°	16371	16772	16772
55°	12851	12851	12851
60°	10506	10506	10506
65°	9332	9332	9332
70°	8460	8460	8460
75°	7120	7120	7120
80°	6050	6050	6050
85°	2964	2964	6126

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 23430 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.5	17.5
10°-20°	475.4	34.5
20°-30°	343.0	24.9
30°-40°	165.4	12.0
40°-50°	76.2	5.5
50°-60°	39.4	2.9
60°-70°	22.8	1.7
70°-80°	11.5	0.8
80°-90°	2.7	0.2
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°	1059.9	76.9
0°-40°	1225.3	88.9
0°-60°	1341.0	97.3
0°-90°	1378.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1378.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2794	2794	2794	2794	2794	
5°	2660	2666	2655	2657	2660	242
15°	1754	1751	1741	1733	1713	478
25°	731	733	736	736	731	343
35°	252	252	254	254	254	164
45°	93	95	95	96	96	75
55°	43	43	43	43	43	39
65°	23	23	23	23	23	22
75°	11	11	11	11	11	11
85°	2	2	2	2	3	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2794.2	2794.2	2794.2	2794.2	2794.2
1°	2786.5	2791.1	2789.6	2791.1	2789.6
2°	2772.8	2775.8	2772.8	2774.3	2774.3
3°	2743.8	2746.8	2746.8	2745.3	2743.8
4°	2708.7	2716.3	2708.7	2710.2	2705.6
5°	2659.8	2665.9	2655.2	2656.7	2659.8
6°	2600.2	2601.8	2598.7	2597.2	2594.1
7°	2531.5	2537.6	2527.0	2528.5	2525.4
8°	2458.3	2456.7	2456.7	2450.6	2441.5
9°	2369.7	2375.8	2366.6	2363.6	2365.1
10°	2282.7	2282.7	2275.0	2267.4	2272.0
11°	2183.4	2180.4	2175.8	2165.1	2162.0
12°	2075.0	2081.1	2067.4	2062.8	2052.1
13°	1963.5	1972.7	1966.6	1949.8	1951.3
14°	1859.7	1853.6	1849.0	1846.0	1835.3
15°	1754.4	1751.3	1740.6	1733.0	1713.1
17.5°	1465.8	1468.8	1449.0	1445.9	1438.3
20°	1194.0	1184.8	1183.3	1184.8	1175.7
22.5°	942.1	951.2	940.5	942.1	936.0
25°	731.4	732.9	735.9	735.9	731.4
27.5°	568.0	568.0	564.9	568.0	563.4
30°	430.6	430.6	433.6	436.7	430.6
32.5°	332.9	332.9	332.9	334.4	335.9
35°	251.9	251.9	253.5	253.5	253.5
37.5°	193.9	195.4	197.0	197.0	197.0
40°	149.6	151.2	151.2	152.7	151.2
42.5°	119.1	119.1	119.1	120.6	120.6
45°	93.1	94.7	94.7	96.2	96.2
47.5°	76.3	76.3	76.3	77.9	77.9
50°	61.1	62.6	62.6	62.6	62.6
52.5°	50.4	50.4	51.9	51.9	51.9
55°	42.8	42.8	42.8	42.8	42.8
57.5°	35.1	36.6	36.6	36.6	36.6
60°	30.5	30.5	30.5	30.5	30.5
62.5°	26.0	26.0	26.0	26.0	26.0
65°	22.9	22.9	22.9	22.9	22.9
67.5°	18.3	19.8	19.8	19.8	19.8
70°	16.8	16.8	16.8	16.8	16.8
72.5°	12.2	13.7	13.7	13.7	13.7
75°	10.7	10.7	10.7	10.7	10.7
77.5°	9.2	7.6	7.6	7.6	9.2
80°	6.1	6.1	6.1	6.1	6.1
82.5°	4.6	4.6	4.6	4.6	4.6
85°	1.5	1.5	1.5	1.5	3.1
87.5°	0.0	0.0	0.0	1.5	1.5



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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)