

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: P1312749

Luminaire Tested: P3SQAS20R309727D010 E3SQPHL1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312749
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R309727D010 E3SQPHL1MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , E3SQPHL1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

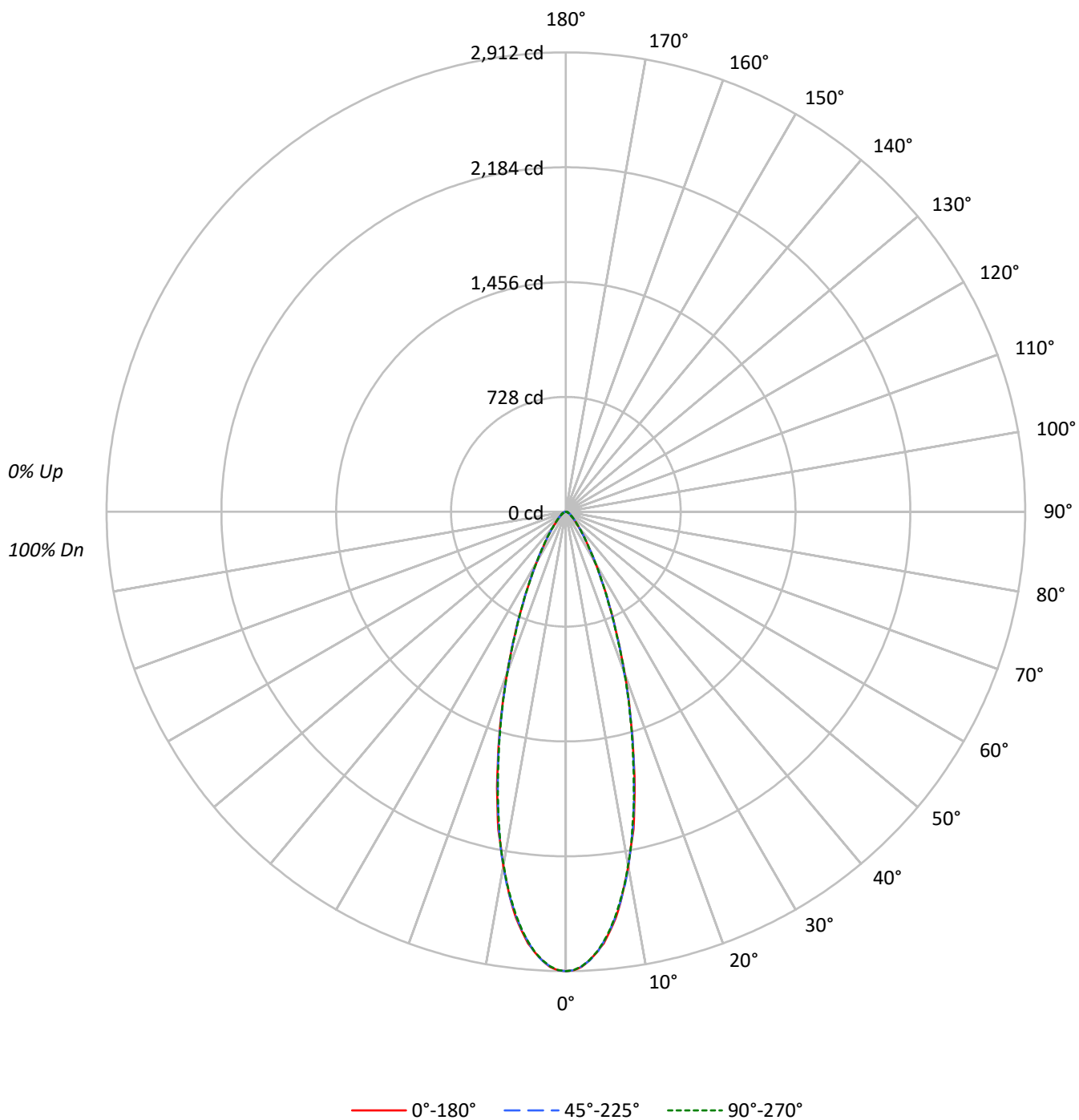
Lumens per Lamp: N/A
Luminaire Lumens: 1279.0 lumens
Efficiency: N/A
Efficacy: 44.4 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	501564	501564	501564
5°	474851	473623	473381
10°	398935	398935	397449
15°	297223	296456	294691
20°	198927	197883	198139
25°	122624	122358	122890
30°	73739	73739	74018
35°	45224	45224	45518
40°	28642	28642	29272
45°	19655	19996	19996
50°	14415	14415	14415
55°	11050	11470	11470
60°	9266	9266	9748
65°	8069	8069	8069
70°	7150	7855	7855
75°	6588	6588	6588
80°	5653	5653	5653
85°	2766	2766	2766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 19996 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.9	19.3
10°-20°	455.8	35.6
20°-30°	303.0	23.7
30°-40°	140.1	11.0
40°-50°	65.1	5.1
50°-60°	34.7	2.7
60°-70°	20.3	1.6
70°-80°	10.8	0.8
80°-90°	2.3	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°	1005.8	78.6
0°-40°	1145.9	89.6
0°-60°	1245.7	97.4
0°-90°	1279.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1279.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2912	2912	2912	2912	2912	
5°	2747	2741	2740	2747	2738	247
15°	1667	1673	1663	1663	1653	457
25°	645	644	644	644	647	304
35°	215	214	215	216	216	139
45°	81	81	82	82	82	64
55°	37	38	38	38	38	34
65°	20	20	20	20	20	20
75°	10	10	10	10	10	10
85°	1	1	1	1	1	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2912.3	2912.3	2912.3	2912.3	2912.3
1°	2906.6	2903.8	2906.6	2910.9	2905.2
2°	2886.8	2884.0	2884.0	2889.6	2884.0
3°	2848.6	2851.4	2850.0	2855.7	2845.8
4°	2800.5	2799.1	2804.7	2807.6	2799.1
5°	2746.7	2741.1	2739.6	2746.7	2738.2
6°	2673.1	2668.9	2666.1	2674.5	2663.2
7°	2593.9	2591.1	2586.8	2589.6	2581.2
8°	2496.2	2494.8	2492.0	2494.8	2484.9
9°	2387.3	2387.3	2392.9	2391.5	2385.9
10°	2281.2	2284.0	2281.2	2284.0	2272.7
11°	2162.3	2162.3	2165.1	2163.7	2165.1
12°	2059.0	2047.7	2044.8	2042.0	2033.5
13°	1926.0	1917.5	1914.6	1917.5	1913.2
14°	1804.3	1798.6	1784.4	1787.3	1781.6
15°	1667.0	1672.7	1662.7	1662.7	1652.8
17.5°	1362.7	1357.1	1359.9	1361.3	1357.1
20°	1085.4	1082.6	1079.7	1076.9	1081.1
22.5°	843.4	844.8	842.0	839.2	836.3
25°	645.3	643.9	643.9	643.9	646.7
27.5°	489.6	489.6	489.6	491.0	491.0
30°	370.8	367.9	370.8	372.2	372.2
32.5°	277.4	280.2	281.6	281.6	281.6
35°	215.1	213.7	215.1	216.5	216.5
37.5°	164.2	164.2	165.6	165.6	167.0
40°	127.4	127.4	127.4	128.8	130.2
42.5°	100.5	100.5	101.9	101.9	103.3
45°	80.7	80.7	82.1	82.1	82.1
47.5°	65.1	65.1	66.5	66.5	66.5
50°	53.8	53.8	53.8	53.8	53.8
52.5°	45.3	43.9	45.3	45.3	45.3
55°	36.8	38.2	38.2	38.2	38.2
57.5°	31.1	32.5	32.5	32.5	32.5
60°	26.9	26.9	26.9	28.3	28.3
62.5°	22.6	24.1	24.1	24.1	24.1
65°	19.8	19.8	19.8	19.8	19.8
67.5°	17.0	17.0	17.0	17.0	18.4
70°	14.2	14.2	15.6	15.6	15.6
72.5°	12.7	12.7	12.7	12.7	12.7
75°	9.9	9.9	9.9	9.9	9.9
77.5°	7.1	7.1	8.5	8.5	7.1
80°	5.7	5.7	5.7	5.7	5.7
82.5°	4.2	4.2	4.2	4.2	4.2
85°	1.4	1.4	1.4	1.4	1.4
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)