

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: P1314857

Luminaire Tested: P3SQAS02R309740DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314857
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R309740DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

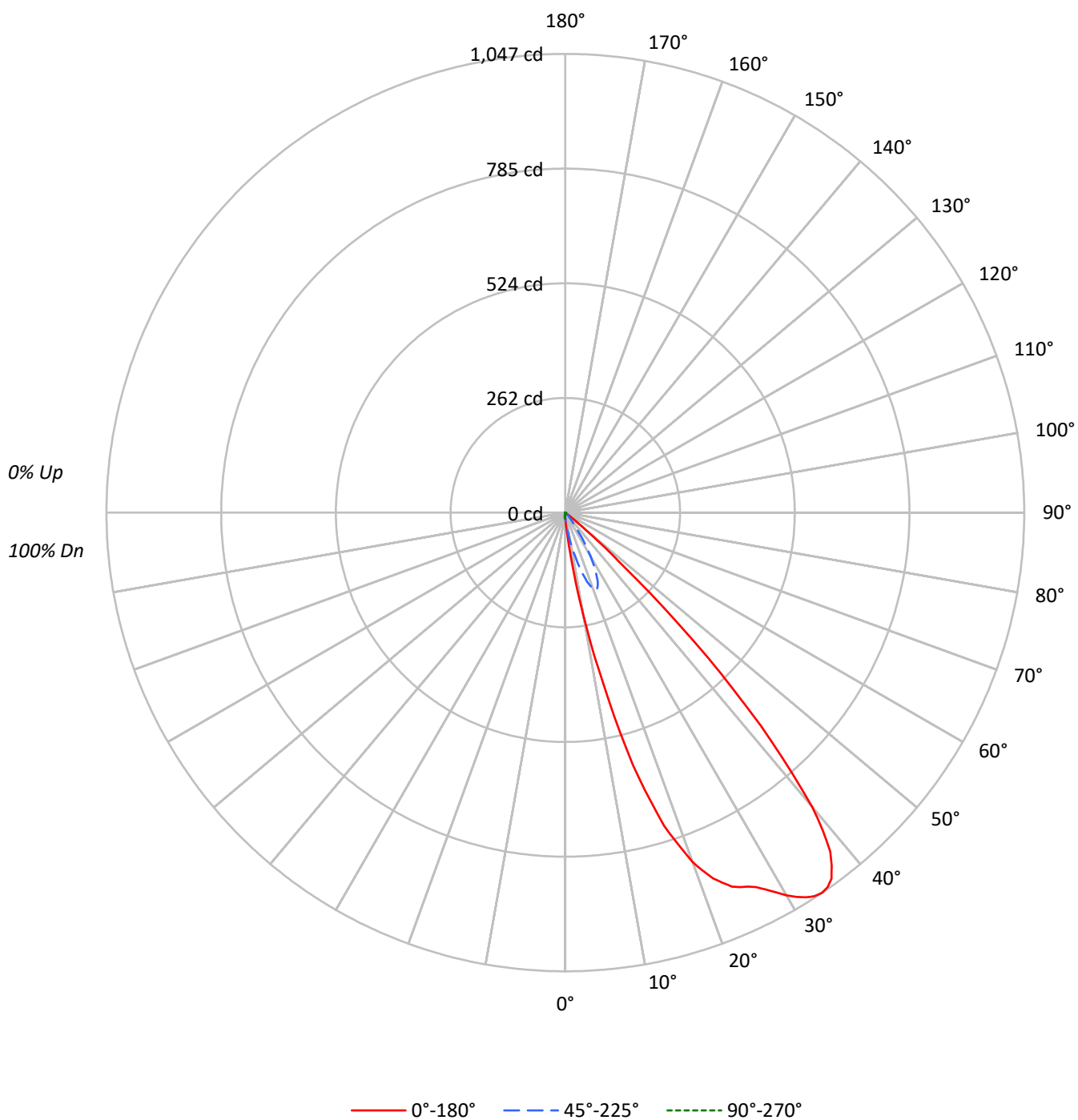
Lumens per Lamp: N/A
Luminaire Lumens: 252.0 lumens
Efficiency: N/A
Efficacy: 70.0 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.21
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75		
4	93	84	78	73	91	83	77	72	81	75	71	78	74	70	76	73	70	68		
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50		
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45		
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41		
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2325	2325	2325	2325	2325
5°	8419	5238	2126	864	605
10°	41691	12539	1661	157	0
15°	106337	23874	1052	0	0
20°	155381	33943	440	0	0
25°	179271	33293	95	0	0
30°	200635	22850	0	0	0
35°	219412	9839	0	0	0
40°	196943	3822	0	0	0
45°	100566	1559	0	0	0
50°	15513	188	0	0	0
55°	931	0	60	0	0
60°	0	0	69	0	0
65°	0	0	204	0	0
70°	0	101	252	0	0
75°	0	133	466	0	0
80°	0	198	694	0	0
85°	0	395	1383	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 100566 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.8	1.1
10°-20°	33.6	13.3
20°-30°	83.0	32.9
30°-40°	95.4	37.9
40°-50°	35.4	14.0
50°-60°	1.3	0.5
60°-70°	0.1	0.0
70°-80°	0.2	0.1
80°-90°	0.2	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°	119.4	47.4
0°-40°	214.8	85.2
0°-60°	251.5	99.8
0°-90°	252.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	252.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	14	14	14	14	14	
5°	49	30	12	5	4	11
15°	596	134	6	0	0	171
25°	943	175	0	0	0	436
35°	1044	47	0	0	0	633
45°	413	6	0	0	0	322
55°	3	0	0	0	0	11
65°	0	0	0	0	0	0
75°	0	0	1	0	0	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
2.5°	23.9	24.1	24.1	23.4	23.2	22.9	22.2	20.1	16.8	13.5	10.9
5°	48.7	49.0	49.0	47.5	44.7	41.9	39.5	30.3	19.4	12.3	8.0
7.5°	114.9	115.2	110.2	104.5	93.2	87.3	76.4	46.6	22.0	11.1	5.2
10°	238.4	233.2	220.2	203.6	186.1	163.4	140.5	71.7	23.9	9.5	3.3
12.5°	398.5	393.5	376.7	353.1	318.8	274.3	230.8	100.7	24.1	7.6	1.9
15°	596.4	582.5	562.4	523.1	472.5	403.7	331.8	133.9	23.2	5.9	0.5
17.5°	749.9	737.1	711.6	665.7	602.8	526.4	438.2	165.3	20.6	3.8	0.0
20°	847.8	834.3	810.4	770.0	703.1	613.5	512.5	185.2	17.0	2.4	0.0
21°	875.7	862.7	839.3	799.1	732.4	643.0	530.7	189.4	15.4	1.9	0.0
22°	900.3	890.1	868.4	824.6	756.8	664.8	549.1	189.9	14.2	1.4	0.0
23°	917.6	910.2	888.5	848.3	780.6	682.5	559.1	187.1	12.8	0.9	0.0
24°	934.1	925.1	906.5	869.1	799.6	697.4	568.0	181.9	11.4	0.7	0.0
25°	943.4	932.9	918.5	883.5	815.2	706.9	573.5	175.2	9.9	0.5	0.0
26°	949.7	941.7	925.9	892.0	821.8	713.0	574.2	165.5	9.0	0.2	0.0
27°	959.4	951.4	936.0	899.6	824.6	712.1	569.9	154.4	7.8	0.0	0.0
28°	974.1	963.5	948.1	907.6	825.8	708.0	560.5	142.4	6.6	0.0	0.0
29°	990.9	980.0	963.2	918.3	826.1	700.0	545.6	129.1	5.9	0.0	0.0
30°	1008.9	999.4	982.4	928.7	828.7	689.6	528.3	114.9	4.7	0.0	0.0
31°	1023.0	1014.5	996.3	938.1	830.8	680.6	507.0	100.7	4.0	0.0	0.0
32°	1035.3	1027.8	1005.3	940.3	826.5	667.8	484.3	87.0	3.3	0.0	0.0
33°	1043.9	1034.4	1008.1	934.8	814.2	646.8	459.0	74.0	2.6	0.0	0.0
34°	1046.9	1035.6	1003.9	920.6	789.4	614.9	426.2	60.5	2.1	0.0	0.0
35°	1043.6	1029.7	988.5	896.3	755.8	576.8	386.7	46.8	1.7	0.0	0.0
36°	1033.0	1015.2	966.5	861.5	707.8	531.9	347.2	36.4	1.2	0.0	0.0
37°	1010.0	990.4	928.9	815.6	660.3	480.3	302.2	28.4	0.7	0.0	0.0
38°	981.9	953.5	878.8	757.7	598.8	422.4	257.8	23.4	0.5	0.0	0.0
39°	933.9	902.7	819.2	691.0	538.5	367.3	214.5	20.3	0.2	0.0	0.0
40°	876.0	838.8	751.1	619.6	467.3	309.6	179.0	17.0	0.2	0.0	0.0
42.5°	660.7	629.3	534.9	421.4	285.7	182.6	99.3	11.1	0.0	0.0	0.0
45°	412.9	380.0	316.2	231.0	154.7	94.6	47.8	6.4	0.0	0.0	0.0
47.5°	168.6	154.7	127.2	97.9	70.0	44.5	19.9	2.8	0.0	0.0	0.0
50°	57.9	51.6	43.3	31.7	22.5	15.4	10.4	0.7	0.0	0.0	0.0
52.5°	16.8	17.0	14.9	12.8	9.9	7.1	5.2	0.0	0.0	0.0	0.0
55°	3.1	2.6	3.1	2.8	3.1	2.6	1.9	0.0	0.0	0.2	0.0
57.5°	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.0	0.2	0.2	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.5	0.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.5	0.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.7	0.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.7	0.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.7	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.7	0.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.7	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.7	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.7	0.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	13.5	13.5	13.5
2.5°	8.8	7.8	7.3
5°	5.0	3.8	3.5
7.5°	2.6	1.7	1.4
10°	0.9	0.2	0.0
12.5°	0.0	0.0	0.0
15°	0.0	0.0	0.0
17.5°	0.0	0.0	0.0
20°	0.0	0.0	0.0
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.0
39°	0.0	0.0	0.0
40°	0.0	0.0	0.0
42.5°	0.0	0.0	0.0
45°	0.0	0.0	0.0
47.5°	0.0	0.0	0.0
50°	0.0	0.0	0.0
52.5°	0.0	0.0	0.0
55°	0.0	0.0	0.0
57.5°	0.0	0.0	0.0
60°	0.0	0.0	0.0
62.5°	0.0	0.0	0.0
65°	0.0	0.0	0.0
67.5°	0.0	0.0	0.0
70°	0.0	0.0	0.0
72.5°	0.0	0.0	0.0
75°	0.0	0.0	0.0
77.5°	0.0	0.0	0.0
80°	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.0	0.0	0.0
85°	0.0	0.0	0.0
87.5°	0.0	0.0	0.0
90°	0.0	0.0	0.0

(END OF REPORT)