

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: P1305805

Luminaire Tested: P3SQASS09R559024DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305805
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQASS09R559024DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R55 optic, 2400K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

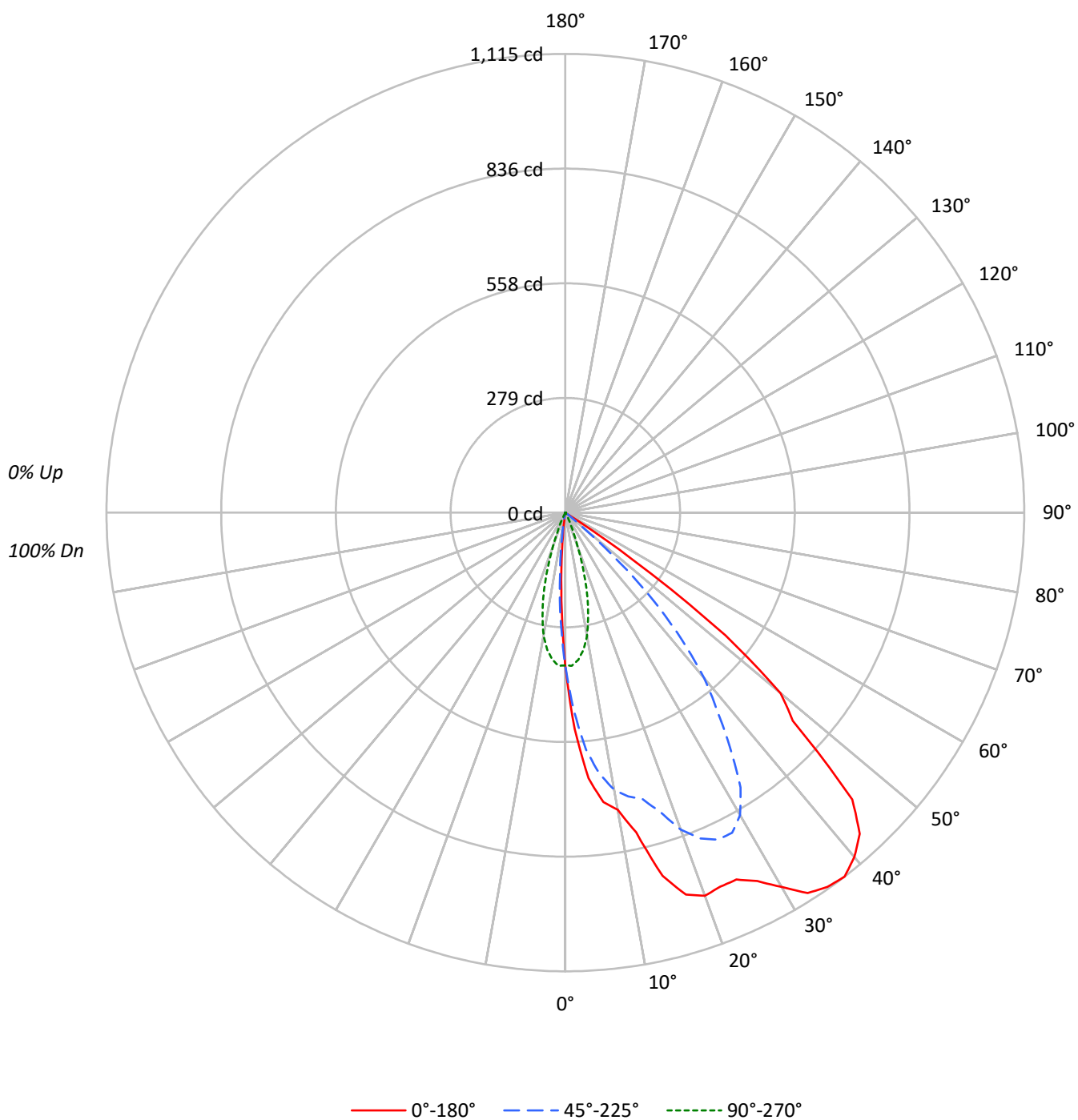
Lumens per Lamp: N/A
Luminaire Lumens: 686.9 lumens
Efficiency: N/A
Efficacy: 61.9 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	82		
3	98	91	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	73		
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	66		
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	59		
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	64	59	55	53		
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48		
8	70	58	51	46	68	58	51	46	56	50	46	55	50	46	54	49	45	44		
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	63929	63929	63929	63929	63929
5°	112061	99890	62064	25776	14850
10°	128257	119565	53058	2816	1014
15°	163000	128357	36373	571	339
20°	181626	150158	15982	0	0
25°	186967	166596	4542	0	0
30°	208888	168837	636	0	0
35°	233456	146604	0	0	0
40°	245594	118008	0	0	0
45°	240101	74529	0	0	0
50°	182836	15218	0	0	0
55°	59902	0	0	0	0
60°	0	0	0	0	0
65°	0	245	245	0	0
70°	0	302	302	0	0
75°	0	399	399	0	0
80°	0	595	1289	595	0
85°	0	1186	1186	1186	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 240101 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.9	4.9
10°-20°	99.4	14.5
20°-30°	161.7	23.5
30°-40°	192.1	28.0
40°-50°	157.1	22.9
50°-60°	41.6	6.1
60°-70°	0.2	0.0
70°-80°	0.4	0.1
80°-90°	0.5	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°	295.0	42.9
0°-40°	487.1	70.9
0°-60°	685.8	99.8
0°-90°	686.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	686.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	371	371	371	371	371	
5°	648	578	359	149	86	64
15°	914	720	204	3	2	256
25°	984	877	24	0	0	463
35°	1110	697	0	0	0	690
45°	986	306	0	0	0	708
55°	200	0	0	0	0	224
65°	0	1	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	1	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	371.2	371.2	371.2	371.2	371.2	371.2	371.2	371.2	371.2	371.2	371.2
2.5°	526.8	522.9	523.6	521.7	523.6	515.2	506.2	497.8	491.3	482.3	427.4
5°	648.2	641.7	639.8	637.2	634.6	624.3	615.9	605.6	593.3	577.8	477.1
7.5°	709.5	704.4	701.8	703.1	697.3	693.4	682.4	670.8	657.9	641.1	514.5
10°	733.4	728.2	727.6	727.0	726.3	723.7	718.6	708.2	696.6	683.7	535.9
12.5°	796.0	784.4	776.7	767.6	756.7	742.4	730.8	721.8	717.3	706.9	545.5
15°	914.2	903.2	894.8	883.2	862.5	832.2	804.4	768.9	737.9	719.9	541.7
17.5°	973.6	968.4	961.3	953.6	939.4	917.4	889.0	851.6	812.2	761.2	522.9
20°	991.0	988.4	983.3	980.0	970.3	954.9	935.5	906.4	869.6	819.3	493.9
22.5°	983.9	985.8	988.4	996.8	998.1	987.1	969.1	941.3	903.9	857.4	449.3
25°	983.9	982.6	982.6	1000.0	1011.0	1005.9	992.9	967.8	929.7	876.7	394.5
27.5°	1009.1	1001.3	985.2	1003.3	1021.4	1019.4	1007.8	978.1	935.5	877.4	327.3
30°	1050.4	1033.6	1007.1	1023.9	1040.7	1033.6	1014.9	976.8	922.6	849.0	245.3
32.5°	1096.2	1088.5	1074.9	1085.9	1083.3	1054.9	1021.4	968.4	896.1	792.2	165.3
35°	1110.4	1111.7	1102.7	1100.8	1085.9	1056.9	1021.4	944.5	840.6	697.3	98.1
37.5°	1115.0	1115.6	1101.4	1083.3	1061.4	1027.2	984.6	895.5	737.9	605.6	52.3
40°	1092.4	1091.7	1068.5	1046.5	1022.0	988.4	926.4	792.2	640.4	524.9	18.7
42.5°	1058.8	1050.4	1028.5	1001.3	971.6	929.7	832.8	668.9	556.5	420.3	1.3
45°	985.8	978.1	960.7	931.6	898.7	839.3	686.3	574.6	452.6	306.0	0.0
47.5°	749.6	745.7	763.8	767.6	767.0	699.2	572.7	468.7	332.5	178.2	0.0
50°	682.4	677.2	659.2	635.9	594.6	537.8	459.0	347.3	195.0	56.8	0.0
52.5°	490.0	506.8	510.7	493.2	454.5	398.3	316.3	200.1	67.8	0.0	0.0
55°	199.5	189.2	196.9	206.6	214.3	196.9	145.9	71.0	0.6	0.0	0.0
57.5°	0.0	0.6	3.9	9.0	14.8	18.7	20.0	1.3	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.6	0.6	0.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	1.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
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):

	90°	112.5°	135°	157.5°	180°
0°	371.2	371.2	371.2	371.2	371.2
2.5°	372.5	315.1	259.5	229.2	214.3
5°	359.0	240.8	149.1	103.3	85.9
7.5°	336.4	165.3	59.4	24.5	17.4
10°	303.4	94.9	16.1	6.5	5.8
12.5°	256.3	43.3	5.8	4.5	4.5
15°	204.0	14.8	3.2	2.6	1.9
17.5°	143.3	3.9	1.3	0.0	0.0
20°	87.2	0.6	0.0	0.0	0.0
22.5°	48.4	0.0	0.0	0.0	0.0
25°	23.9	0.0	0.0	0.0	0.0
27.5°	10.3	0.0	0.0	0.0	0.0
30°	3.2	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.6	0.0	0.0	0.0	0.0
65°	0.6	0.6	0.0	0.0	0.0
67.5°	0.6	0.6	0.0	0.0	0.0
70°	0.6	0.6	0.0	0.0	0.0
72.5°	0.6	0.6	0.0	0.0	0.0
75°	0.6	0.6	0.0	0.0	0.0
77.5°	1.3	0.6	0.6	0.0	0.0
80°	1.3	0.6	0.6	0.0	0.0
82.5°	1.3	0.6	0.6	0.0	0.0
85°	0.6	0.6	0.6	0.0	0.0
87.5°	1.3	0.6	0.6	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)