

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: P1313309

Luminaire Tested: P3SQAS09R609730DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313309
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R609730DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 97CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

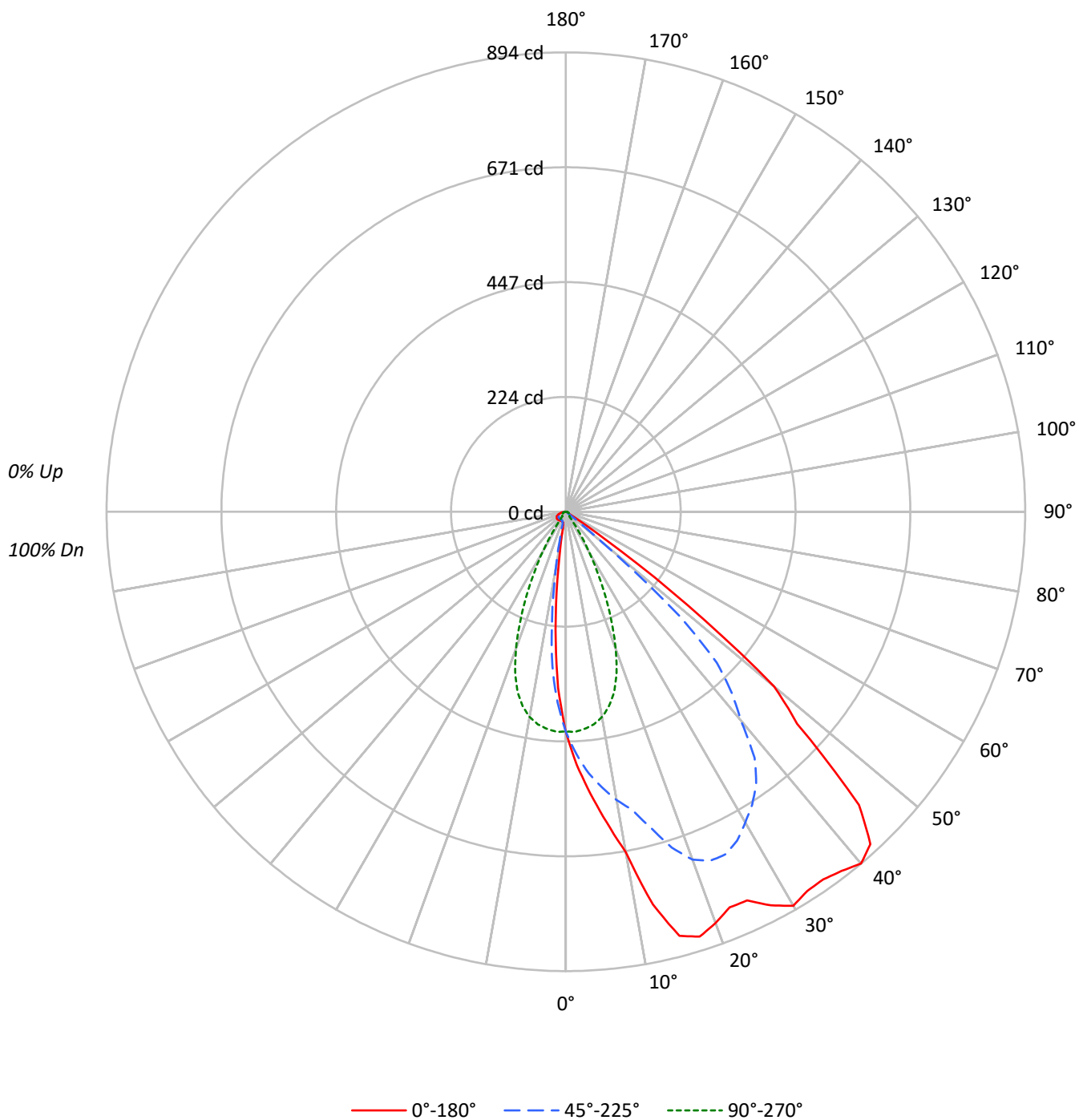
Lumens per Lamp: N/A
Luminaire Lumens: 695.0 lumens
Efficiency: N/A
Efficacy: 62.6 lumens/watt
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90		
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	81		
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72		
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65		
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58		
6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	52		
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47		
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43		
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39		
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	73677	73677	73677	73677	73677
5°	95171	88377	73284	52175	39814
10°	117624	99611	70914	19744	5858
15°	152320	113362	64704	4333	3869
20°	156096	132050	52069	3611	3720
25°	158596	139784	34908	3496	3744
30°	176036	138848	18017	3520	3918
35°	183628	135755	4962	3721	4268
40°	200922	119043	2361	3979	4721
45°	196577	101175	2387	4311	5285
50°	141709	24971	2626	4742	5814
55°	27204	1561	2762	5134	6516
60°	1343	1584	2721	5408	6992
65°	1345	1589	2690	5624	7498
70°	1309	1662	2618	5640	7604
75°	1331	1730	2595	5656	7852
80°	694	1984	2579	5852	7835
85°	1383	1383	2569	5138	7707

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 196577 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.2	5.4
10°-20°	102.7	14.8
20°-30°	158.1	22.7
30°-40°	185.5	26.7
40°-50°	148.7	21.4
50°-60°	46.2	6.6
60°-70°	8.7	1.3
70°-80°	5.8	0.8
80°-90°	2.0	0.3
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°	298.0	42.9
0°-40°	483.5	69.6
0°-60°	678.4	97.6
0°-90°	695.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	695.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	428	428	428	428	428	
5°	550	511	424	302	230	56
15°	854	636	363	24	22	234
25°	835	736	184	18	20	394
35°	873	646	24	18	20	553
45°	807	415	10	18	22	578
55°	91	5	9	17	22	143
65°	3	4	7	14	18	3
75°	2	3	4	8	12	2
85°	1	1	1	3	4	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	427.8	427.8	427.8	427.8	427.8	427.8	427.8	427.8	427.8	427.8	427.8
2.5°	493.4	488.2	488.2	486.2	484.3	484.9	479.7	481.6	476.4	472.4	469.2
5°	550.5	544.0	543.3	540.0	536.7	534.1	527.6	523.6	515.7	511.2	501.3
7.5°	609.6	604.3	601.0	597.1	591.2	584.6	573.5	566.3	553.8	541.3	528.9
10°	672.6	668.0	660.8	656.2	639.8	629.3	614.2	604.3	586.0	569.6	550.5
12.5°	782.8	780.2	766.4	757.2	733.6	712.6	679.8	653.5	620.7	593.8	568.2
15°	854.3	851.0	843.8	835.3	820.2	796.6	767.1	730.3	684.4	635.8	592.5
17.5°	866.8	867.5	862.9	860.9	851.0	836.0	812.3	784.8	738.8	685.0	626.0
20°	851.7	857.0	855.6	859.6	861.5	855.6	839.9	813.0	773.0	720.5	654.2
22.5°	833.3	837.9	836.6	843.8	855.0	860.9	855.6	834.0	793.3	734.9	669.9
25°	834.6	837.9	828.1	832.7	847.1	861.5	862.2	843.2	799.2	735.6	668.6
27.5°	863.5	853.7	831.4	829.4	847.1	865.5	866.8	843.2	790.7	721.8	655.5
30°	885.2	878.0	853.0	849.7	866.8	879.3	872.7	836.0	770.3	698.2	636.5
32.5°	874.7	876.0	865.5	876.0	898.3	903.5	876.0	818.9	742.1	675.2	614.2
35°	873.4	878.6	884.5	900.9	916.0	903.5	859.6	786.7	711.9	645.7	579.4
37.5°	881.2	889.8	898.3	912.7	912.7	880.6	816.3	746.1	675.9	603.7	507.2
40°	893.7	898.9	901.6	900.3	882.5	835.3	767.1	696.8	629.9	529.5	459.3
42.5°	877.3	876.6	874.0	862.9	830.1	768.4	704.7	647.6	542.0	477.7	397.6
45°	807.1	807.1	799.9	782.2	752.0	700.8	644.4	561.0	494.1	415.4	295.3
47.5°	610.9	606.3	614.2	624.7	624.7	620.1	568.9	496.7	428.5	299.9	94.5
50°	528.9	521.7	511.8	513.8	512.5	517.7	484.9	430.4	316.9	93.2	6.6
52.5°	299.2	312.3	344.5	389.8	410.1	417.3	397.0	327.4	107.0	5.9	5.2
55°	90.6	93.2	105.6	129.9	176.5	225.7	229.0	106.3	7.2	5.2	5.2
57.5°	3.9	3.9	5.2	7.9	18.4	27.6	29.5	6.6	4.6	5.2	5.2
60°	3.9	3.9	3.9	3.9	3.9	3.9	4.6	4.6	4.6	4.6	5.2
62.5°	3.3	3.3	3.9	3.9	3.9	3.9	3.9	3.9	4.6	4.6	4.6
65°	3.3	3.3	3.3	3.3	3.3	3.3	3.9	3.9	3.9	3.9	4.6
67.5°	2.6	2.6	2.6	3.3	3.3	3.3	3.3	3.3	3.9	3.9	3.9
70°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.3	3.3	3.3	3.3
72.5°	2.0	2.0	2.0	2.0	2.0	2.6	2.6	2.6	2.6	2.6	3.3
75°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.6	2.6	2.6	2.6
77.5°	1.3	1.3	1.3	1.3	1.3	2.0	2.0	2.0	2.0	2.0	2.0
80°	0.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.0	2.0
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	1.3	1.3	1.3	1.3	1.3
85°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.3
87.5°	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7
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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	427.8	427.8	427.8	427.8	427.8	427.8	427.8	427.8
2.5°	464.6	459.3	453.4	428.5	404.2	371.4	349.1	342.5
5°	492.8	484.3	471.1	423.9	366.8	301.8	249.3	230.3
7.5°	516.4	503.3	484.9	417.3	322.2	204.7	131.9	111.5
10°	533.5	517.1	493.4	405.5	263.1	112.9	44.6	33.5
12.5°	547.9	526.2	498.0	387.8	191.6	45.9	23.0	23.0
15°	557.7	531.5	500.0	362.9	124.0	24.3	21.7	21.7
17.5°	571.5	537.4	500.0	328.1	67.6	21.0	21.0	21.0
20°	593.8	543.3	492.8	284.1	37.4	19.7	20.3	20.3
22.5°	605.6	551.8	483.6	232.9	23.6	19.0	19.7	19.7
25°	608.3	550.5	463.9	183.7	19.0	18.4	19.0	19.7
27.5°	599.1	541.3	437.7	133.9	17.1	17.7	19.0	19.7
30°	582.7	519.0	395.7	90.6	15.7	17.7	19.0	19.7
32.5°	551.8	465.2	346.5	54.5	15.1	17.7	19.0	20.3
35°	482.9	408.8	290.0	23.6	14.4	17.7	19.7	20.3
37.5°	433.1	352.4	224.4	11.8	14.4	17.7	19.7	21.0
40°	378.0	283.5	103.7	10.5	14.4	17.7	19.7	21.0
42.5°	288.1	131.2	12.5	10.5	13.8	17.7	20.3	21.0
45°	105.0	13.8	6.6	9.8	13.8	17.7	20.3	21.7
47.5°	7.9	5.2	5.9	9.8	13.8	17.7	20.3	21.7
50°	5.2	5.2	5.9	9.8	13.8	17.7	20.3	21.7
52.5°	5.2	5.9	5.9	9.2	13.1	17.7	20.3	21.7
55°	5.2	5.9	5.9	9.2	13.1	17.1	20.3	21.7
57.5°	5.2	5.2	5.9	8.5	12.5	16.4	20.3	21.0
60°	5.2	5.2	5.9	7.9	11.8	15.7	19.0	20.3
62.5°	5.2	5.2	5.2	7.2	11.2	15.1	18.4	19.7
65°	4.6	4.6	5.2	6.6	9.8	13.8	17.1	18.4
67.5°	3.9	4.6	4.6	5.9	9.2	12.5	15.7	17.1
70°	3.9	3.9	3.9	5.2	7.9	11.2	14.4	15.1
72.5°	3.3	3.3	3.9	4.6	7.2	9.8	13.1	13.8
75°	2.6	3.3	3.3	3.9	5.9	8.5	11.2	11.8
77.5°	2.6	2.6	2.6	3.3	5.2	7.2	9.2	9.8
80°	2.0	2.0	2.0	2.6	3.9	5.9	7.2	7.9
82.5°	1.3	2.0	2.0	2.0	3.3	3.9	5.2	5.9
85°	1.3	1.3	1.3	1.3	2.0	2.6	3.3	3.9
87.5°	0.7	0.7	1.3	1.3	1.3	1.3	1.3	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)