

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: P1313488

Luminaire Tested: P3SQAS13R709730DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313488
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-57)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R709730DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

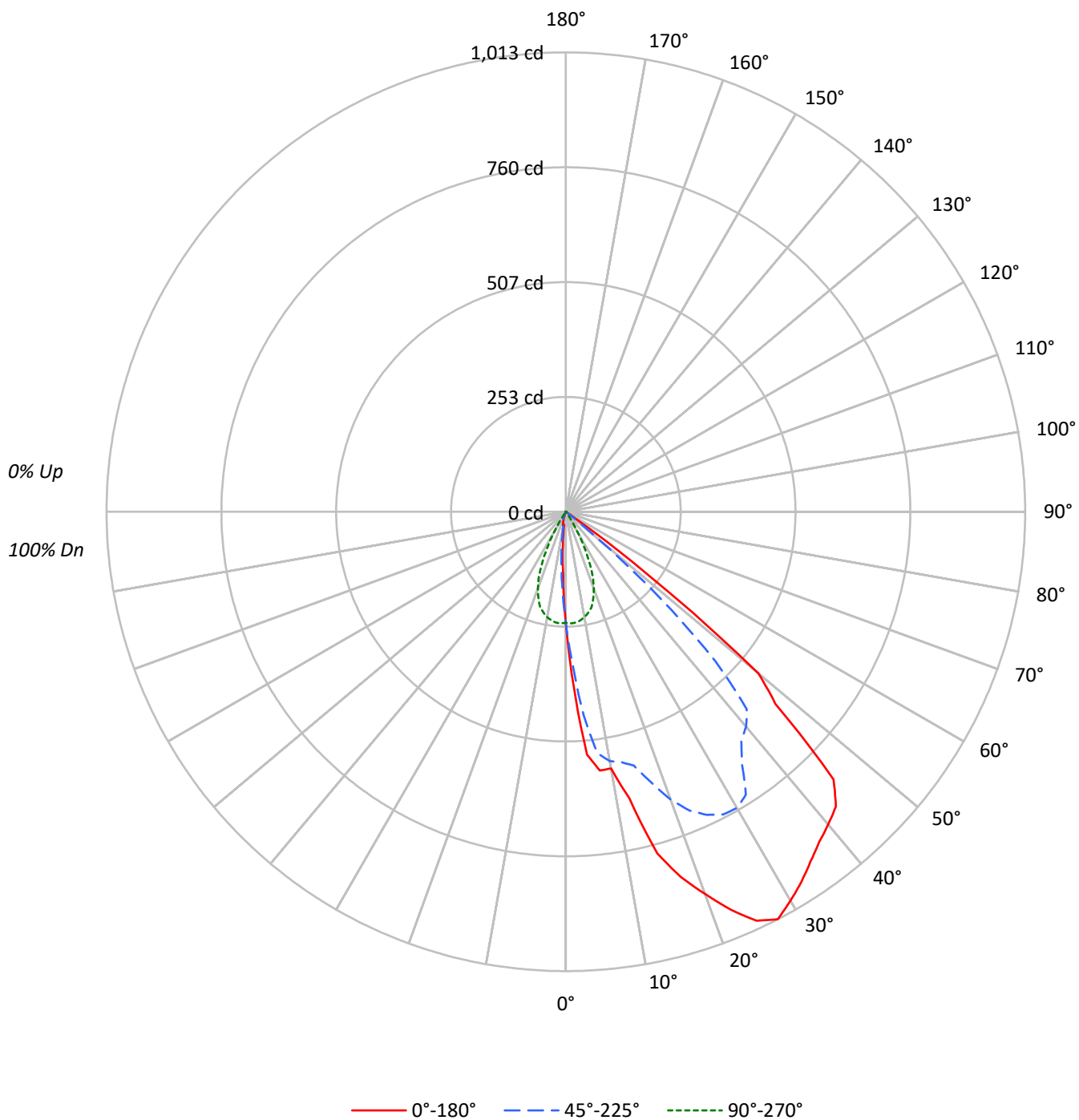
Lumens per Lamp: N/A
Luminaire Lumens: 659.0 lumens
Efficiency: N/A
Efficacy: 45.1 lumens/watt
Spacing Criteria (0/90/45): 2.08 / 0.83 / 1.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	99	94	90	103	98	93	89	94	91	87	91	88	85	88	86	84	82		
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73		
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66		
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59		
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53		
7	74	63	56	50	73	62	55	50	61	55	50	59	54	50	58	53	49	48		
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43		
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39		
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	41	37	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	42126	42126	42126	42126	42126
5°	92923	77969	42442	19293	12707
10°	100503	97583	41307	5369	5526
15°	139108	103306	38958	5474	3976
20°	164306	123729	33063	3244	1191
25°	189096	140145	23335	532	0
30°	196956	149984	10719	0	0
35°	197862	142147	589	0	0
40°	202384	139029	0	0	0
45°	203397	113937	0	0	0
50°	148514	23658	0	0	0
55°	8377	0	0	0	0
60°	0	310	310	0	0
65°	0	0	367	0	0
70°	0	453	453	0	0
75°	0	599	599	0	0
80°	0	893	893	893	0
85°	0	1778	1778	1778	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 207245 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.8	4.1
10°-20°	89.3	13.6
20°-30°	160.6	24.4
30°-40°	195.2	29.6
40°-50°	150.8	22.9
50°-60°	35.1	5.3
60°-70°	0.2	0.0
70°-80°	0.5	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°	276.7	42.0
0°-40°	471.9	71.6
0°-60°	657.8	99.8
0°-90°	659.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	659.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	245	245	245	245	245	
5°	538	451	246	112	74	51
15°	780	579	218	31	22	218
25°	995	738	123	3	0	453
35°	941	676	3	0	0	591
45°	835	468	0	0	0	590
55°	28	0	0	0	0	115
65°	0	0	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°	50°
0°	244.6	244.6	244.6	244.6	244.6	244.6	244.6	244.6	244.6	244.6	244.6
2.5°	381.3	381.3	383.1	382.2	373.8	370.1	358.0	351.5	349.7	334.8	329.2
5°	537.5	538.4	533.8	532.9	523.6	517.1	506.8	491.0	475.2	451.0	429.6
7.5°	575.6	574.7	573.8	573.8	571.9	568.2	563.6	558.9	552.4	537.5	520.8
10°	574.7	574.7	573.8	573.8	572.9	573.8	572.9	570.1	567.3	558.0	548.7
12.5°	647.2	641.7	634.2	623.1	604.5	590.5	574.7	570.1	568.2	565.4	559.8
15°	780.2	775.6	759.8	740.2	721.6	690.0	664.9	630.5	603.5	579.4	567.3
17.5°	844.4	847.2	829.5	817.4	799.8	774.7	744.9	709.6	671.4	625.9	589.6
20°	896.5	899.3	884.4	872.3	851.8	825.8	799.8	761.6	725.4	675.1	627.7
22.5°	949.5	951.3	937.4	919.7	896.5	869.5	836.0	797.0	757.9	713.3	663.1
25°	995.1	993.2	969.9	944.8	922.5	893.7	861.1	823.0	785.8	737.5	690.0
27.5°	1012.7	1011.8	985.8	961.6	935.5	896.5	867.6	834.2	795.1	752.3	704.0
30°	990.4	1005.3	988.5	970.9	939.3	900.2	872.3	832.3	796.0	754.2	699.3
32.5°	967.2	985.8	980.2	971.8	934.6	903.9	867.6	830.4	787.7	739.3	655.6
35°	941.1	960.6	961.6	952.3	918.8	888.1	854.6	815.6	767.2	676.1	614.7
37.5°	917.9	936.5	942.0	922.5	896.5	855.6	824.9	784.0	696.5	635.2	603.5
40°	900.2	914.1	922.5	891.8	865.8	825.8	790.5	718.9	639.8	618.4	573.8
42.5°	881.6	894.6	898.3	864.9	824.9	786.7	735.6	645.4	622.1	590.5	470.6
45°	835.1	850.9	841.6	809.1	779.3	739.3	663.1	624.0	598.9	467.8	289.2
47.5°	626.8	644.5	669.6	678.9	689.1	660.3	618.4	604.5	491.9	283.6	90.2
50°	554.3	551.5	551.5	556.1	564.5	573.8	585.9	509.6	295.7	88.3	0.0
52.5°	226.0	237.1	292.0	341.3	398.0	454.7	472.4	312.5	115.3	1.9	0.0
55°	27.9	27.9	39.1	67.0	110.7	178.6	200.9	100.4	8.4	0.0	0.0
57.5°	0.0	0.0	0.0	0.9	7.4	20.5	13.9	3.7	0.9	0.9	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
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°	244.6	244.6	244.6	244.6	244.6	244.6	244.6	244.6
2.5°	319.9	308.7	292.9	246.4	206.4	171.1	150.7	140.4
5°	409.2	382.2	345.9	245.5	167.4	111.6	83.7	73.5
7.5°	494.7	464.0	402.7	241.8	128.3	65.1	36.3	28.8
10°	531.9	509.6	454.7	236.2	93.0	30.7	30.7	31.6
12.5°	546.8	530.1	485.4	227.8	61.4	29.8	31.6	29.8
15°	557.0	541.2	500.3	218.5	35.3	30.7	25.1	22.3
17.5°	562.6	544.0	505.0	200.9	23.2	26.0	15.8	13.0
20°	580.3	550.5	508.7	180.4	22.3	17.7	8.4	6.5
22.5°	610.0	563.6	509.6	155.3	17.7	10.2	2.8	0.0
25°	637.0	581.2	512.4	122.8	5.6	2.8	0.0	0.0
27.5°	650.0	586.8	511.5	86.5	0.0	0.0	0.0	0.0
30°	634.2	572.9	503.1	53.9	0.0	0.0	0.0	0.0
32.5°	597.0	562.6	477.1	23.2	0.0	0.0	0.0	0.0
35°	584.9	540.3	417.5	2.8	0.0	0.0	0.0	0.0
37.5°	558.0	476.1	306.9	0.0	0.0	0.0	0.0	0.0
40°	479.9	344.1	146.0	0.0	0.0	0.0	0.0	0.0
42.5°	317.1	146.9	8.4	0.0	0.0	0.0	0.0	0.0
45°	111.6	9.3	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.9	0.9	0.0	0.0	0.0	0.0
67.5°	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0
70°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0
72.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0
75°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0
77.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0
80°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0
85°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0
87.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)