

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: P1319415

Luminaire Tested: P3SQAS02R25B2750DE010 E3SQCA301MMS_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319415
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-49)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R25B2750DE010 E3SQCA301MMS_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

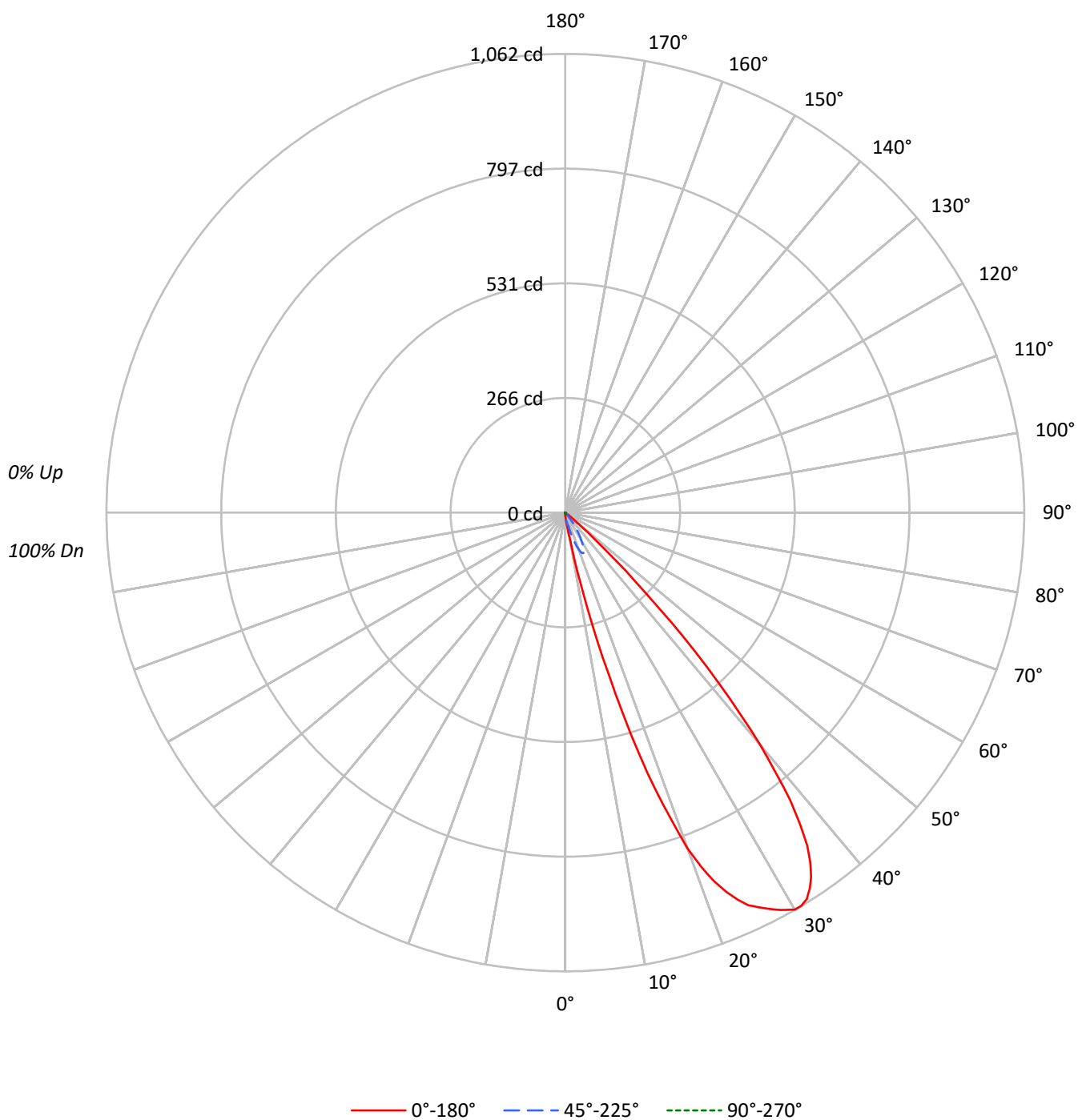
Lumens per Lamp: N/A
Luminaire Lumens: 208.0 lumens
Efficiency: N/A
Efficacy: 71.7 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 2.9
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	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	76	72	80	75	71	78	74	70	76	72	69	67		
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	63	58	68	62	57	66	61	57	65	60	56	55		
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49		
8	70	59	52	47	69	58	52	47	57	51	47	56	51	46	55	50	46	45		
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40		
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1137	1137	1137	1137	1137
5°	3544	2472	1037	553	415
10°	11192	4494	769	70	0
15°	69162	8558	464	0	0
20°	151642	16678	147	0	0
25°	190616	19193	0	0	0
30°	211016	14855	0	0	0
35°	207701	8410	0	0	0
40°	157892	2203	0	0	0
45°	63959	974	0	0	0
50°	7100	107	0	0	0
55°	540	0	60	0	0
60°	0	0	69	0	0
65°	0	0	163	0	0
70°	0	101	201	0	0
75°	0	133	399	0	0
80°	0	198	595	0	0
85°	0	395	1186	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 63959 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.0	0.5
10°-20°	21.5	10.3
20°-30°	75.1	36.1
30°-40°	83.8	40.3
40°-50°	25.3	12.2
50°-60°	0.8	0.4
60°-70°	0.1	0.1
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°	97.6	46.9
0°-40°	181.4	87.2
0°-60°	207.5	99.8
0°-90°	208.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	208.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	7	7	7	7	7	
5°	20	14	6	3	2	3
15°	388	48	3	0	0	129
25°	1003	101	0	0	0	458
35°	988	40	0	0	0	593
45°	263	4	0	0	0	227
55°	2	0	0	0	0	6
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°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
2.5°	11.4	11.8	11.6	11.8	11.6	11.6	11.6	11.8	11.6	11.6	11.6
5°	20.5	20.7	20.7	20.5	20.5	20.9	20.5	20.7	20.1	20.5	20.3
7.5°	33.7	33.3	33.3	33.5	33.5	33.1	32.9	32.5	32.9	32.9	32.3
10°	64.0	63.6	62.6	62.2	62.6	62.6	60.6	61.0	61.2	59.4	58.8
12.5°	187.9	186.5	189.3	184.9	182.3	178.1	180.5	172.3	170.5	169.3	166.6
15°	387.9	398.4	393.9	394.3	395.1	385.1	388.5	376.1	365.8	362.6	360.4
17.5°	632.5	635.7	631.5	629.5	628.7	624.0	618.2	612.0	604.0	597.1	591.3
20°	827.4	825.0	817.8	818.6	810.0	805.7	800.7	794.5	788.3	778.2	768.4
21°	878.8	871.8	872.0	867.2	867.0	861.4	852.7	846.3	840.7	829.2	823.0
22°	921.0	919.4	915.8	912.2	908.5	905.7	895.9	892.7	881.4	871.8	863.0
23°	953.9	954.5	951.3	948.9	943.7	942.5	930.0	925.6	917.8	903.3	894.3
24°	981.2	980.2	976.6	972.4	969.4	966.6	957.1	949.9	941.3	929.4	920.6
25°	1003.1	1000.7	998.3	995.1	990.3	987.1	977.4	969.4	962.0	948.7	936.7
26°	1016.0	1016.6	1012.8	1010.5	1006.3	1003.1	992.9	983.6	974.4	960.1	949.3
27°	1029.2	1028.6	1025.2	1021.6	1017.2	1016.0	1004.3	994.5	985.2	970.0	957.3
28°	1041.3	1039.7	1037.0	1032.8	1028.0	1024.4	1013.0	1002.9	992.7	976.6	962.6
29°	1051.5	1049.9	1048.1	1042.7	1036.6	1034.2	1022.0	1009.7	999.5	983.0	968.2
30°	1061.1	1058.1	1053.9	1049.3	1043.3	1038.7	1026.0	1015.2	1003.3	985.0	970.8
31°	1061.5	1057.5	1054.5	1049.7	1042.9	1037.4	1024.0	1013.0	999.1	982.0	966.6
32°	1054.5	1052.5	1047.7	1042.5	1036.0	1030.4	1015.6	1004.1	990.9	972.6	957.3
33°	1038.7	1036.8	1034.0	1028.6	1020.0	1014.8	1001.7	988.9	976.0	959.5	941.9
34°	1017.0	1014.6	1011.1	1005.7	996.9	991.5	981.0	967.8	954.1	936.9	920.6
35°	987.9	983.4	982.4	974.4	966.2	964.8	952.3	938.5	924.6	905.7	891.5
36°	951.9	946.5	942.9	940.1	934.8	928.2	915.8	904.9	886.9	874.8	854.9
37°	902.7	896.1	899.5	891.9	883.6	880.8	865.0	855.1	839.9	823.4	806.5
38°	845.3	844.7	843.9	840.5	826.2	818.8	812.2	801.7	788.5	768.6	745.7
39°	772.8	774.0	769.8	770.2	763.0	755.7	746.5	734.5	718.6	700.5	681.9
40°	702.3	685.3	688.3	678.2	678.8	667.8	655.8	645.3	635.1	619.2	593.9
42.5°	485.9	483.3	474.3	468.0	470.8	456.6	440.9	426.1	412.0	394.1	371.9
45°	262.6	256.6	258.4	248.0	248.0	241.7	237.3	224.9	211.8	203.6	190.9
47.5°	97.6	98.8	101.0	96.8	92.0	94.8	90.6	90.6	88.5	85.9	82.3
50°	26.5	26.9	26.5	26.5	25.9	25.5	24.7	24.5	24.3	23.7	22.7
52.5°	10.8	10.2	10.2	10.4	10.4	10.0	10.2	10.2	10.0	9.8	9.8
55°	1.8	2.0	2.0	2.0	2.0	1.8	1.8	2.0	2.2	2.0	2.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0
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	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	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):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
2.5°	11.2	9.8	8.2	6.8	5.4	4.6	4.2	4.4
5°	18.9	14.3	9.4	6.0	4.2	3.2	2.6	2.4
7.5°	29.1	19.7	10.6	5.2	3.2	1.6	1.0	0.8
10°	44.6	25.7	11.4	4.4	2.0	0.4	0.0	0.0
12.5°	114.6	31.5	11.6	3.6	0.8	0.0	0.0	0.0
15°	235.5	48.0	11.2	2.6	0.2	0.0	0.0	0.0
17.5°	391.5	73.5	9.8	1.8	0.0	0.0	0.0	0.0
20°	543.1	91.0	7.8	0.8	0.0	0.0	0.0	0.0
21°	588.7	96.2	7.0	0.6	0.0	0.0	0.0	0.0
22°	626.0	100.0	6.2	0.4	0.0	0.0	0.0	0.0
23°	657.0	102.0	5.4	0.2	0.0	0.0	0.0	0.0
24°	678.8	102.4	5.0	0.2	0.0	0.0	0.0	0.0
25°	689.1	101.0	4.4	0.0	0.0	0.0	0.0	0.0
26°	693.1	98.2	4.0	0.0	0.0	0.0	0.0	0.0
27°	690.1	94.6	3.6	0.0	0.0	0.0	0.0	0.0
28°	684.7	89.3	3.0	0.0	0.0	0.0	0.0	0.0
29°	674.2	82.1	2.6	0.0	0.0	0.0	0.0	0.0
30°	664.0	74.7	2.2	0.0	0.0	0.0	0.0	0.0
31°	652.5	68.1	1.8	0.0	0.0	0.0	0.0	0.0
32°	638.3	60.6	1.4	0.0	0.0	0.0	0.0	0.0
33°	614.8	53.6	1.0	0.0	0.0	0.0	0.0	0.0
34°	581.9	47.0	0.8	0.0	0.0	0.0	0.0	0.0
35°	537.9	40.0	0.6	0.0	0.0	0.0	0.0	0.0
36°	489.7	32.7	0.4	0.0	0.0	0.0	0.0	0.0
37°	430.7	23.7	0.4	0.0	0.0	0.0	0.0	0.0
38°	369.2	14.9	0.2	0.0	0.0	0.0	0.0	0.0
39°	306.2	11.4	0.2	0.0	0.0	0.0	0.0	0.0
40°	248.6	9.8	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	133.1	6.6	0.0	0.0	0.0	0.0	0.0	0.0
45°	78.5	4.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	43.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0
50°	15.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	2.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0
57.5°	0.2	0.0	0.2	0.2	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.2	0.4	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.4	0.4	0.2	0.0	0.0	0.0
67.5°	0.0	0.2	0.4	0.4	0.2	0.0	0.0	0.0
70°	0.0	0.2	0.4	0.4	0.2	0.0	0.0	0.0
72.5°	0.0	0.2	0.4	0.6	0.2	0.0	0.0	0.0
75°	0.0	0.2	0.4	0.6	0.2	0.0	0.0	0.0
77.5°	0.0	0.2	0.4	0.6	0.2	0.0	0.0	0.0
80°	0.0	0.2	0.4	0.6	0.2	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.0	0.2	0.4	0.6	0.2	0.0	0.0	0.0
85°	0.0	0.2	0.4	0.6	0.2	0.0	0.0	0.0
87.5°	0.0	0.2	0.4	0.6	0.2	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)