

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: P1319414

Luminaire Tested: P3SQAS02R25B2750DE010 E3SQCA301MMS_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319414
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_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

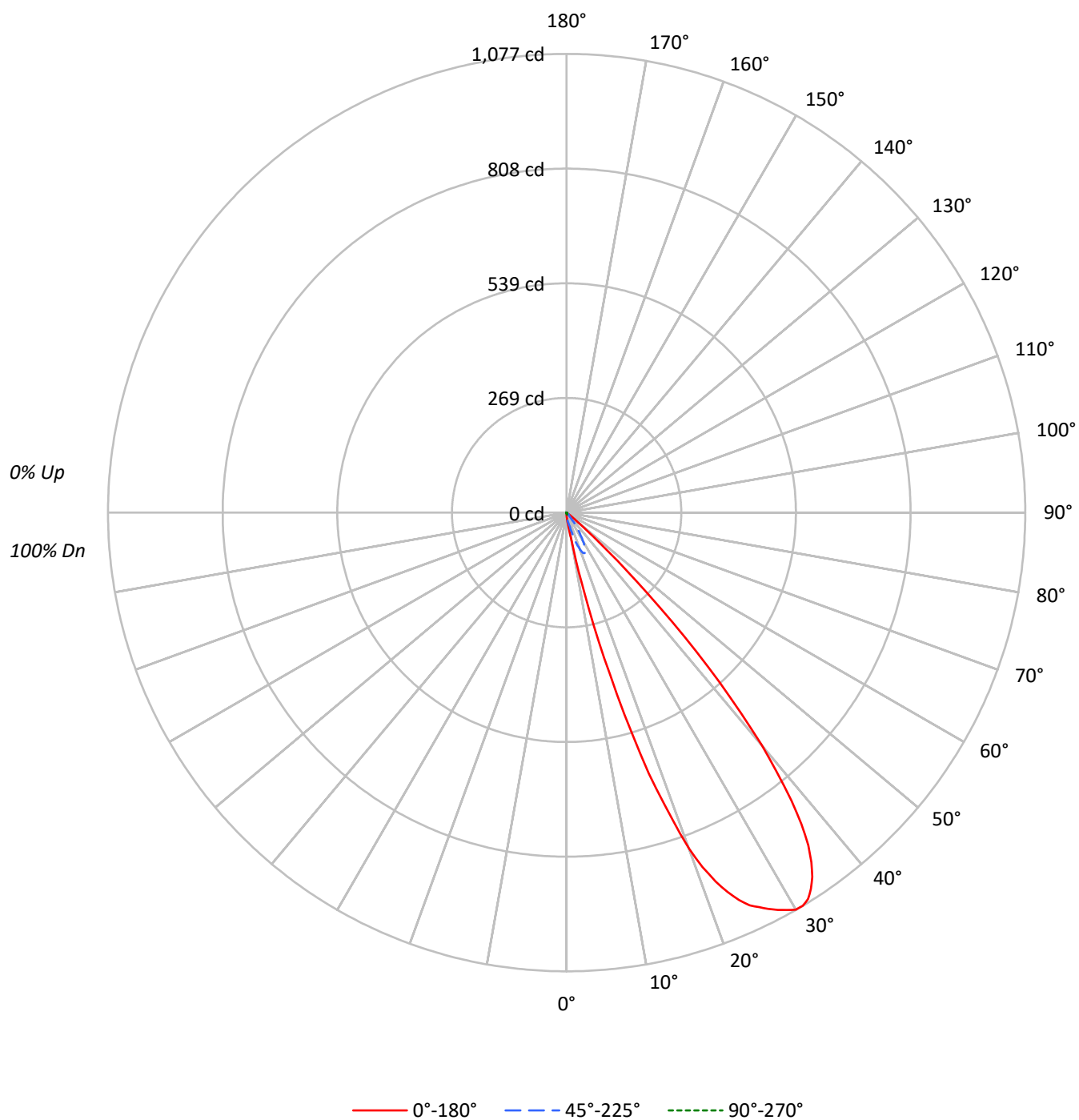
Lumens per Lamp: N/A
Luminaire Lumens: 211.0 lumens
Efficiency: N/A
Efficacy: 72.8 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.44 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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



TEST NUMBER: P1319414

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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°	1154	1154	1154	1154	1154
5°	3596	2524	1055	553	415
10°	11350	4564	769	70	0
15°	70160	8683	464	0	0
20°	153823	16935	147	0	0
25°	193371	19478	0	0	0
30°	214059	15074	0	0	0
35°	210708	8536	0	0	0
40°	160162	2226	0	0	0
45°	64884	974	0	0	0
50°	7207	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: 64884 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.0	0.5
10°-20°	21.8	10.3
20°-30°	76.2	36.1
30°-40°	85.0	40.3
40°-50°	25.7	12.2
50°-60°	0.9	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°	99.0	46.9
0°-40°	184.0	87.2
0°-60°	210.5	99.8
0°-90°	211.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	211.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	7	7	7	7	7	
5°	21	15	6	3	2	3
15°	394	49	3	0	0	131
25°	1018	102	0	0	0	464
35°	1002	41	0	0	0	602
45°	266	4	0	0	0	230
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°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
2.5°	11.5	11.9	11.7	11.9	11.7	11.7	11.7	11.9	11.7	11.7	11.7
5°	20.8	21.0	21.0	20.8	20.8	21.2	20.8	21.0	20.4	20.8	20.6
7.5°	34.2	33.8	33.8	34.0	34.0	33.5	33.3	32.9	33.3	33.3	32.7
10°	64.9	64.5	63.5	63.1	63.5	63.5	61.4	61.8	62.0	60.2	59.6
12.5°	190.6	189.2	192.0	187.5	184.9	180.7	183.1	174.8	173.0	171.8	169.0
15°	393.5	404.2	399.5	399.9	400.8	390.7	394.1	381.6	371.0	367.8	365.6
17.5°	641.7	644.9	640.6	638.6	637.8	633.0	627.1	620.8	612.8	605.7	599.8
20°	839.3	836.9	829.6	830.4	821.7	817.3	812.2	806.0	799.7	789.4	779.5
21°	891.4	884.4	884.6	879.7	879.5	873.9	865.0	858.5	852.8	841.1	834.9
22°	934.3	932.7	929.0	925.4	921.6	918.7	908.8	905.6	894.1	884.4	875.5
23°	967.6	968.2	965.0	962.6	957.3	956.1	943.4	938.9	931.1	916.3	907.2
24°	995.3	994.3	990.7	986.4	983.4	980.6	970.9	963.6	954.9	942.8	933.9
25°	1017.6	1015.1	1012.7	1009.5	1004.6	1001.4	991.5	983.4	975.9	962.4	950.3
26°	1030.7	1031.3	1027.5	1025.0	1020.8	1017.6	1007.2	997.7	988.5	973.9	963.0
27°	1044.0	1043.4	1040.0	1036.3	1031.9	1030.7	1018.8	1008.9	999.4	984.0	971.1
28°	1056.4	1054.7	1051.9	1047.7	1042.8	1039.2	1027.7	1017.4	1007.0	990.7	976.5
29°	1066.7	1065.0	1063.2	1057.8	1051.5	1049.1	1036.8	1024.2	1013.9	997.1	982.2
30°	1076.4	1073.3	1069.1	1064.4	1058.4	1053.7	1040.8	1029.9	1017.8	999.2	984.8
31°	1076.8	1072.7	1069.7	1064.8	1058.0	1052.3	1038.8	1027.7	1013.5	996.1	980.6
32°	1069.7	1067.7	1062.8	1057.6	1050.9	1045.2	1030.3	1018.6	1005.2	986.6	971.1
33°	1053.7	1051.7	1048.9	1043.4	1034.7	1029.5	1016.1	1003.2	990.1	973.3	955.5
34°	1031.7	1029.3	1025.6	1020.2	1011.3	1005.8	995.1	981.8	967.8	950.5	933.9
35°	1002.2	997.5	996.5	988.5	980.2	978.8	966.0	952.1	937.9	918.7	904.4
36°	965.6	960.2	956.5	953.7	948.2	941.6	929.0	917.9	899.7	887.4	867.2
37°	915.7	909.0	912.5	904.8	896.3	893.5	877.5	867.4	852.0	835.3	818.1
38°	857.5	856.9	856.1	852.6	838.1	830.6	823.9	813.2	799.9	779.7	756.4
39°	783.9	785.1	780.9	781.3	774.0	766.6	757.3	745.1	729.0	710.6	691.8
40°	712.4	695.2	698.2	687.9	688.5	677.4	665.3	654.6	644.3	628.1	602.4
42.5°	492.9	490.3	481.2	474.7	477.6	463.2	447.2	432.3	417.9	399.7	377.3
45°	266.4	260.3	262.1	251.6	251.6	245.1	240.7	228.2	214.8	206.5	193.6
47.5°	99.0	100.2	102.5	98.2	93.4	96.2	92.0	92.0	89.7	87.1	83.5
50°	26.9	27.3	26.9	26.9	26.3	25.9	25.1	24.9	24.7	24.0	23.0
52.5°	10.9	10.3	10.3	10.5	10.5	10.1	10.3	10.3	10.1	9.9	9.9
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°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
2.5°	11.3	9.9	8.3	6.9	5.5	4.6	4.2	4.4
5°	19.2	14.6	9.5	6.1	4.2	3.2	2.6	2.4
7.5°	29.5	20.0	10.7	5.3	3.2	1.6	1.0	0.8
10°	45.3	26.1	11.5	4.4	2.0	0.4	0.0	0.0
12.5°	116.2	31.9	11.7	3.6	0.8	0.0	0.0	0.0
15°	238.9	48.7	11.3	2.6	0.2	0.0	0.0	0.0
17.5°	397.1	74.6	9.9	1.8	0.0	0.0	0.0	0.0
20°	550.9	92.4	7.9	0.8	0.0	0.0	0.0	0.0
21°	597.2	97.6	7.1	0.6	0.0	0.0	0.0	0.0
22°	635.0	101.5	6.3	0.4	0.0	0.0	0.0	0.0
23°	666.5	103.5	5.5	0.2	0.0	0.0	0.0	0.0
24°	688.5	103.9	5.1	0.2	0.0	0.0	0.0	0.0
25°	699.1	102.5	4.4	0.0	0.0	0.0	0.0	0.0
26°	703.1	99.6	4.0	0.0	0.0	0.0	0.0	0.0
27°	700.1	96.0	3.6	0.0	0.0	0.0	0.0	0.0
28°	694.6	90.5	3.0	0.0	0.0	0.0	0.0	0.0
29°	683.9	83.3	2.6	0.0	0.0	0.0	0.0	0.0
30°	673.6	75.8	2.2	0.0	0.0	0.0	0.0	0.0
31°	661.9	69.1	1.8	0.0	0.0	0.0	0.0	0.0
32°	647.5	61.4	1.4	0.0	0.0	0.0	0.0	0.0
33°	623.7	54.4	1.0	0.0	0.0	0.0	0.0	0.0
34°	590.3	47.7	0.8	0.0	0.0	0.0	0.0	0.0
35°	545.7	40.6	0.6	0.0	0.0	0.0	0.0	0.0
36°	496.8	33.1	0.4	0.0	0.0	0.0	0.0	0.0
37°	436.9	24.0	0.4	0.0	0.0	0.0	0.0	0.0
38°	374.5	15.2	0.2	0.0	0.0	0.0	0.0	0.0
39°	310.6	11.5	0.2	0.0	0.0	0.0	0.0	0.0
40°	252.2	9.9	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	135.0	6.7	0.0	0.0	0.0	0.0	0.0	0.0
45°	79.6	4.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	44.5	1.6	0.0	0.0	0.0	0.0	0.0	0.0
50°	16.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	6.3	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)