

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: P1319413

Luminaire Tested: P3SQAS02R25B2750DE010 E3SQCA301MB_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319413
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 E3SQCA301MB_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 5000K CCT AND, 80CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

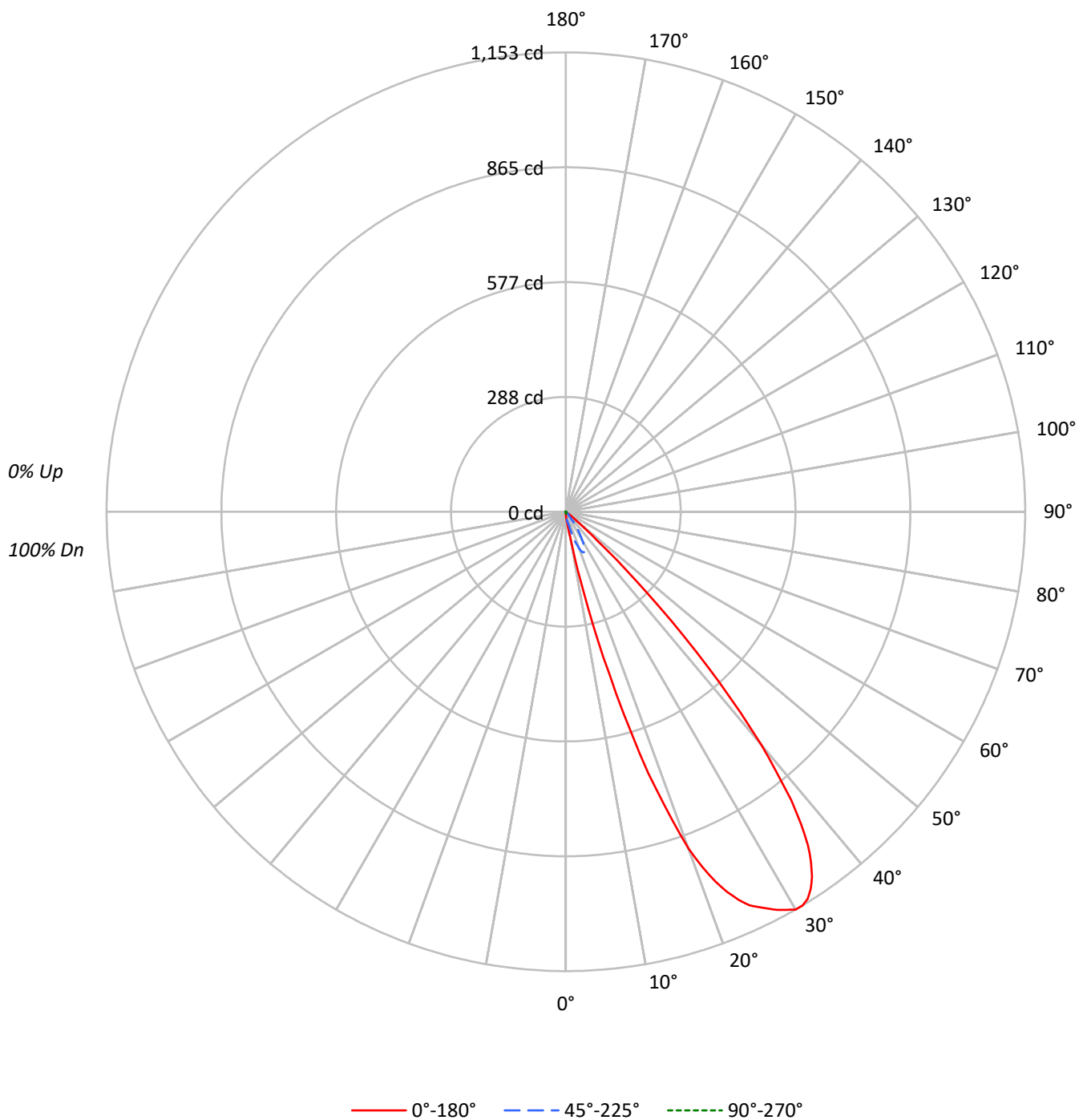
Lumens per Lamp: N/A
Luminaire Lumens: 226.0 lumens
Efficiency: N/A
Efficacy: 77.9 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	77	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	63	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	61	50	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1223	1223	1223	1223	1223
5°	3855	2697	1124	605	449
10°	12154	4879	839	70	0
15°	75153	9307	499	0	0
20°	164765	18126	165	0	0
25°	207110	20846	0	0	0
30°	229272	16148	0	0	0
35°	225677	9146	0	0	0
40°	171538	2383	0	0	0
45°	69488	1047	0	0	0
50°	7716	107	0	0	0
55°	570	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: 69488 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.1	0.5
10°-20°	23.3	10.3
20°-30°	81.6	36.1
30°-40°	91.0	40.3
40°-50°	27.5	12.2
50°-60°	0.9	0.4
60°-70°	0.1	0.0
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°	106.1	46.9
0°-40°	197.1	87.2
0°-60°	225.5	99.8
0°-90°	226.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	226.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	7	7	7	7	7	
5°	22	16	6	4	3	3
15°	422	52	3	0	0	140
25°	1090	110	0	0	0	497
35°	1073	44	0	0	0	644
45°	285	4	0	0	0	246
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°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
2.5°	12.3	12.8	12.6	12.8	12.6	12.6	12.6	12.8	12.6	12.6	12.6
5°	22.3	22.5	22.5	22.3	22.3	22.7	22.3	22.5	21.9	22.3	22.1
7.5°	36.6	36.1	36.1	36.4	36.4	35.9	35.7	35.3	35.7	35.7	35.1
10°	69.5	69.1	68.0	67.5	68.0	68.0	65.8	66.2	66.5	64.5	63.9
12.5°	204.1	202.6	205.6	200.9	198.1	193.5	196.1	187.2	185.3	184.0	181.0
15°	421.5	432.9	427.9	428.4	429.2	418.4	422.1	408.7	397.4	394.0	391.6
17.5°	687.3	690.7	686.2	684.0	683.2	678.0	671.7	665.0	656.3	648.7	642.5
20°	899.0	896.4	888.6	889.4	880.1	875.4	870.0	863.3	856.5	845.5	834.9
21°	954.8	947.2	947.5	942.3	942.0	936.0	926.5	919.5	913.5	900.9	894.2
22°	1000.7	999.0	995.1	991.2	987.1	984.0	973.4	970.0	957.6	947.2	937.7
23°	1036.4	1037.1	1033.6	1031.0	1025.4	1024.1	1010.5	1005.7	997.2	981.4	971.7
24°	1066.1	1065.0	1061.1	1056.6	1053.3	1050.3	1039.9	1032.1	1022.8	1009.8	1000.3
25°	1089.9	1087.3	1084.7	1081.2	1076.0	1072.6	1062.0	1053.3	1045.3	1030.8	1017.8
26°	1104.0	1104.6	1100.5	1097.9	1093.4	1089.9	1078.9	1068.7	1058.7	1043.1	1031.4
27°	1118.2	1117.6	1113.9	1110.0	1105.3	1104.0	1091.2	1080.6	1070.4	1054.0	1040.1
28°	1131.5	1129.7	1126.7	1122.1	1117.0	1113.1	1100.7	1089.7	1078.6	1061.1	1046.0
29°	1142.5	1140.8	1138.8	1133.0	1126.3	1123.7	1110.5	1097.0	1086.0	1068.0	1052.0
30°	1152.9	1149.6	1145.1	1140.1	1133.6	1128.6	1114.8	1103.1	1090.1	1070.2	1054.8
31°	1153.3	1149.0	1145.7	1140.5	1133.2	1127.1	1112.6	1100.7	1085.6	1066.9	1050.3
32°	1145.7	1143.6	1138.4	1132.8	1125.6	1119.5	1103.5	1091.0	1076.7	1056.8	1040.1
33°	1128.6	1126.5	1123.4	1117.6	1108.3	1102.7	1088.4	1074.5	1060.5	1042.5	1023.4
34°	1105.0	1102.4	1098.6	1092.7	1083.2	1077.3	1065.9	1051.6	1036.6	1018.0	1000.3
35°	1073.4	1068.5	1067.4	1058.7	1049.8	1048.3	1034.7	1019.8	1004.6	984.0	968.7
36°	1034.3	1028.4	1024.5	1021.5	1015.6	1008.5	995.1	983.2	963.7	950.5	928.8
37°	980.8	973.7	977.3	969.1	960.0	957.0	939.9	929.1	912.6	894.6	876.2
38°	918.5	917.8	916.9	913.3	897.7	889.7	882.5	871.0	856.8	835.1	810.2
39°	839.7	841.0	836.4	836.8	829.1	821.0	811.1	798.1	780.8	761.1	741.0
40°	763.0	744.6	747.9	736.8	737.5	725.6	712.6	701.1	690.1	672.8	645.3
42.5°	528.0	525.1	515.4	508.5	511.5	496.1	479.0	463.0	447.6	428.2	404.1
45°	285.3	278.8	280.8	269.5	269.5	262.6	257.8	244.4	230.1	221.2	207.4
47.5°	106.1	107.4	109.7	105.2	100.0	103.0	98.5	98.5	96.1	93.3	89.4
50°	28.8	29.2	28.8	28.8	28.1	27.7	26.8	26.6	26.4	25.8	24.7
52.5°	11.7	11.0	11.0	11.3	11.3	10.8	11.0	11.0	10.8	10.6	10.6
55°	1.9	2.2	2.2	2.2	2.2	1.9	1.9	2.2	2.4	2.2	2.2
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°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
2.5°	12.1	10.6	8.9	7.4	5.8	5.0	4.5	4.8
5°	20.6	15.6	10.2	6.5	4.5	3.5	2.8	2.6
7.5°	31.6	21.4	11.5	5.6	3.5	1.7	1.1	0.9
10°	48.5	27.9	12.3	4.8	2.2	0.4	0.0	0.0
12.5°	124.5	34.2	12.6	3.9	0.9	0.0	0.0	0.0
15°	255.9	52.2	12.1	2.8	0.2	0.0	0.0	0.0
17.5°	425.4	79.9	10.6	1.9	0.0	0.0	0.0	0.0
20°	590.1	98.9	8.4	0.9	0.0	0.0	0.0	0.0
21°	639.6	104.6	7.6	0.6	0.0	0.0	0.0	0.0
22°	680.1	108.7	6.7	0.4	0.0	0.0	0.0	0.0
23°	713.9	110.8	5.8	0.2	0.0	0.0	0.0	0.0
24°	737.5	111.3	5.4	0.2	0.0	0.0	0.0	0.0
25°	748.7	109.7	4.8	0.0	0.0	0.0	0.0	0.0
26°	753.1	106.7	4.3	0.0	0.0	0.0	0.0	0.0
27°	749.8	102.8	3.9	0.0	0.0	0.0	0.0	0.0
28°	744.0	97.0	3.2	0.0	0.0	0.0	0.0	0.0
29°	732.5	89.2	2.8	0.0	0.0	0.0	0.0	0.0
30°	721.5	81.2	2.4	0.0	0.0	0.0	0.0	0.0
31°	708.9	74.0	1.9	0.0	0.0	0.0	0.0	0.0
32°	693.5	65.8	1.5	0.0	0.0	0.0	0.0	0.0
33°	668.0	58.2	1.1	0.0	0.0	0.0	0.0	0.0
34°	632.3	51.1	0.9	0.0	0.0	0.0	0.0	0.0
35°	584.5	43.5	0.6	0.0	0.0	0.0	0.0	0.0
36°	532.1	35.5	0.4	0.0	0.0	0.0	0.0	0.0
37°	468.0	25.8	0.4	0.0	0.0	0.0	0.0	0.0
38°	401.1	16.2	0.2	0.0	0.0	0.0	0.0	0.0
39°	332.7	12.3	0.2	0.0	0.0	0.0	0.0	0.0
40°	270.1	10.6	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	144.6	7.1	0.0	0.0	0.0	0.0	0.0	0.0
45°	85.3	4.3	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	47.6	1.7	0.0	0.0	0.0	0.0	0.0	0.0
50°	17.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	2.4	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)