

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: P1319450

Luminaire Tested: P3SQAS02R25B2750DE010 E3SQCD1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319450
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-35)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R25B2750DE010 E3SQCD1MW_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

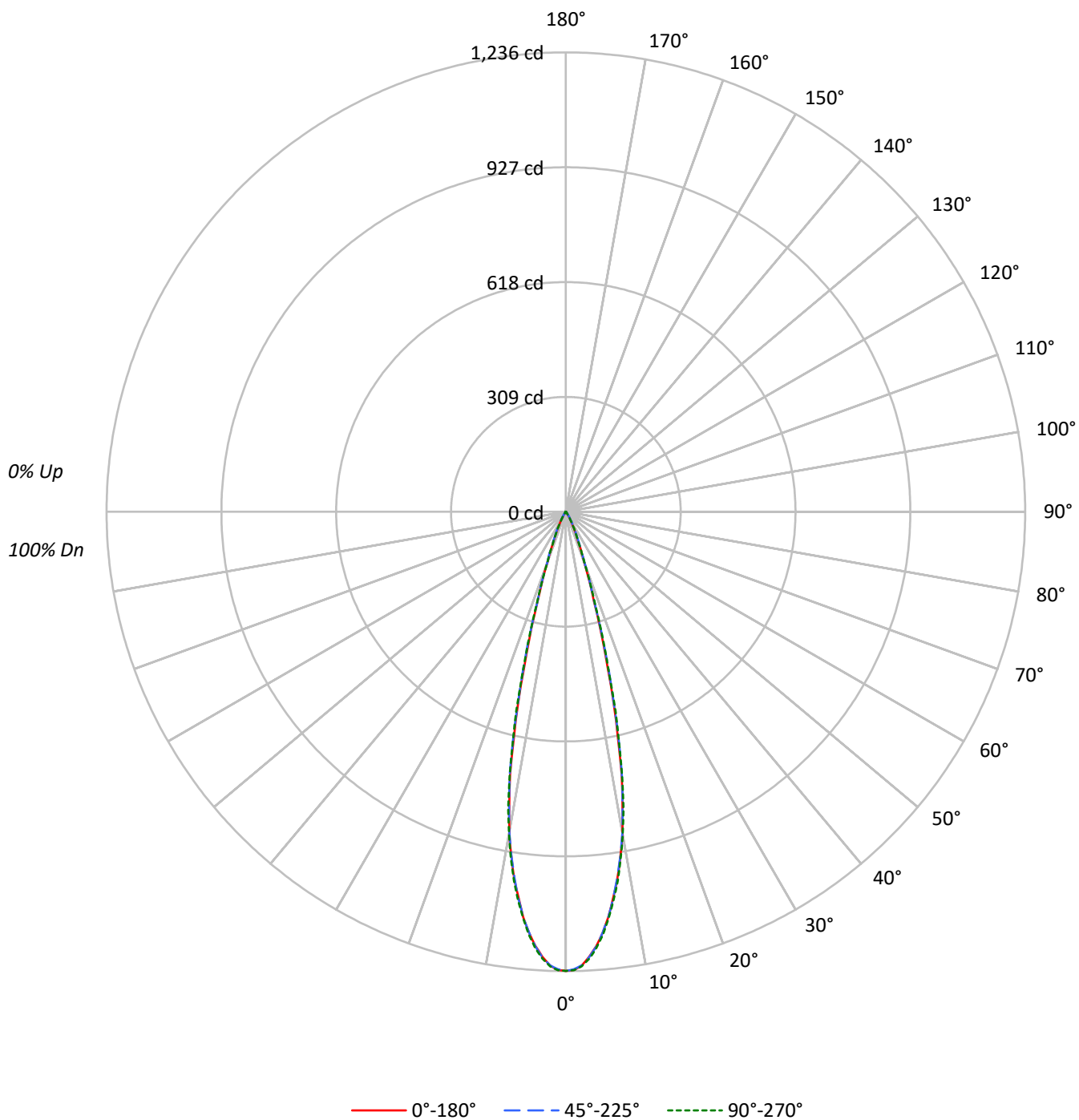
Lumens per Lamp: N/A
Luminaire Lumens: 261.0 lumens
Efficiency: N/A
Efficacy: 90.0 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0			
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	115	113	111	110	113	111	109	108	107	106	105	103	102	102	100	99	99	97			
2	112	108	105	103	110	107	104	102	103	101	100	101	99	97	98	97	95	94			
3	108	104	100	98	107	103	99	97	100	98	95	98	96	94	96	94	93	91			
4	105	100	96	93	104	99	96	93	97	94	92	95	93	91	94	92	90	89			
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	91	89	87	86			
6	100	94	90	87	98	93	89	87	92	88	86	90	88	86	89	87	85	84			
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	82			
8	95	88	84	82	94	88	84	82	87	84	81	86	83	81	85	83	81	80			
9	92	86	82	80	91	86	82	79	85	82	79	84	81	79	83	81	79	78			
10	90	84	80	78	89	83	80	77	83	80	77	82	79	77	82	79	77	76			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	212781	212781	212781
5°	196531	196461	197568
10°	153527	153107	154156
15°	77239	80466	80395
20°	26428	27161	26722
25°	10622	11934	11079
30°	4315	5151	4196
35°	1261	2250	1261
40°	585	989	585
45°	195	390	195
50°	107	161	107
55°	120	120	120
60°	138	138	138
65°	82	82	82
70°	101	101	101
75°	133	133	133
80°	0	198	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 390 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.2	38.4
10°-20°	122.7	47.0
20°-30°	30.0	11.5
30°-40°	6.2	2.4
40°-50°	1.1	0.4
50°-60°	0.4	0.1
60°-70°	0.3	0.1
70°-80°	0.2	0.1
80°-90°	0.0	0.0
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°	252.9	96.9
0°-40°	259.1	99.3
0°-60°	260.5	99.8
0°-90°	261.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	261.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1236	1236	1236	1236	1236	
5°	1137	1138	1136	1139	1143	100
15°	433	440	451	453	451	121
25°	56	58	63	59	58	29
35°	6	8	11	8	6	5
45°	1	1	2	1	1	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1235.5	1235.5	1235.5	1235.5	1235.5
1°	1233.1	1231.5	1231.1	1231.3	1233.3
2°	1221.9	1221.0	1220.8	1221.4	1224.1
3°	1199.3	1200.5	1200.9	1202.9	1204.2
4°	1171.4	1173.8	1172.8	1175.2	1176.8
5°	1136.8	1137.8	1136.4	1138.8	1142.8
6°	1096.5	1092.9	1096.3	1097.2	1100.0
7°	1046.1	1046.9	1048.1	1049.3	1053.5
8°	996.6	994.2	993.6	999.2	1002.6
9°	938.7	939.1	936.9	943.3	944.3
10°	877.9	872.9	875.5	880.5	881.5
11°	797.5	796.1	799.9	807.7	813.8
12°	722.2	722.9	726.9	729.5	728.1
13°	622.5	628.5	633.4	636.0	632.7
14°	532.4	532.4	538.8	539.8	551.9
15°	433.2	440.5	451.3	453.3	450.9
17.5°	250.2	251.2	256.4	256.2	259.9
20°	144.2	145.6	148.2	147.6	145.8
22.5°	86.7	89.7	95.9	90.9	89.5
25°	55.9	58.5	62.8	59.3	58.3
27.5°	35.0	36.8	40.2	37.0	35.4
30°	21.7	22.7	25.9	22.9	21.1
32.5°	11.7	14.3	16.9	14.3	11.7
35°	6.0	8.4	10.7	8.2	6.0
37.5°	4.0	4.8	7.0	4.6	4.0
40°	2.6	3.2	4.4	3.2	2.6
42.5°	1.4	2.0	2.4	2.2	1.4
45°	0.8	1.2	1.6	1.2	0.8
47.5°	0.6	0.6	1.0	0.6	0.4
50°	0.4	0.4	0.6	0.4	0.4
52.5°	0.4	0.4	0.4	0.4	0.4
55°	0.4	0.4	0.4	0.4	0.4
57.5°	0.4	0.4	0.4	0.4	0.4
60°	0.4	0.4	0.4	0.4	0.4
62.5°	0.4	0.4	0.4	0.4	0.4
65°	0.2	0.4	0.2	0.2	0.2
67.5°	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2
80°	0.0	0.0	0.2	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)