

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: P1319451

Luminaire Tested: P3SQAS02R25B2750DE010 E3SQCD1MW_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319451
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_3500K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 3500K CCT AND, 80CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

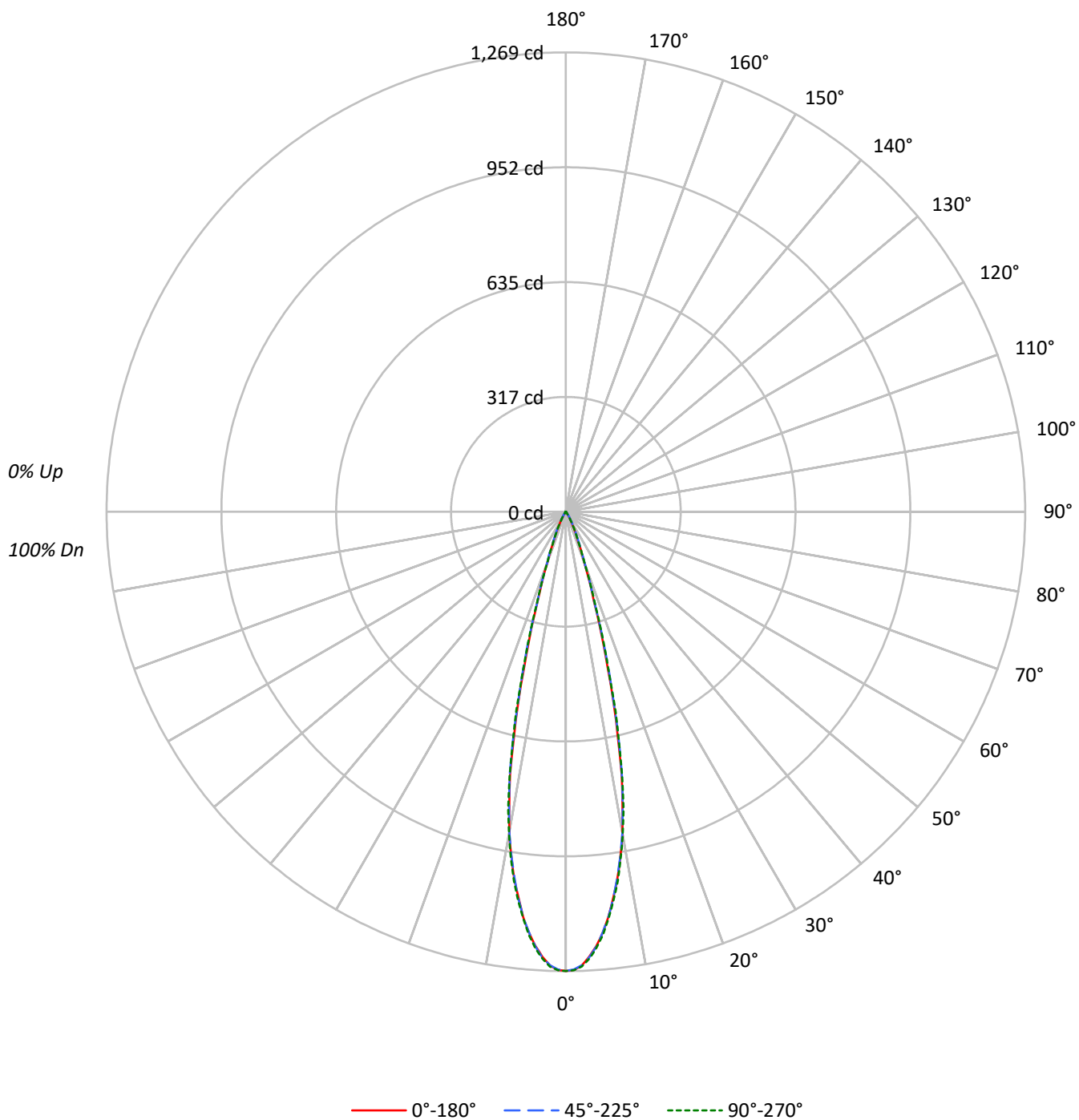
Lumens per Lamp: N/A
Luminaire Lumens: 268.0 lumens
Efficiency: N/A
Efficacy: 92.4 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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	99	99
1	115	113	111	110	113	111	109	108	107	106	105	103	102	102	100	99	99	97	96	95
2	112	108	105	103	110	107	104	102	103	101	100	101	99	97	98	97	95	94	93	91
3	108	104	100	98	107	103	99	97	100	98	95	98	96	94	96	94	93	91	89	86
4	105	100	96	93	104	99	96	93	97	94	92	95	93	91	94	92	90	89	87	84
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	91	89	87	86	84	81
6	100	94	90	87	98	93	89	87	92	88	86	90	88	86	89	87	85	84	82	79
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	82	80	77
8	95	88	84	82	94	88	84	82	87	84	81	86	83	81	85	83	81	80	78	75
9	92	86	82	80	91	86	82	79	85	82	79	84	81	79	83	81	79	78	76	73
10	90	84	80	78	89	84	80	77	83	80	77	82	79	77	82	79	77	76	74	71

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	218482	218482	218482
5°	201803	201734	202858
10°	157636	157217	158283
15°	79307	82623	82552
20°	27143	27876	27436
25°	10908	12257	11364
30°	4435	5270	4295
35°	1282	2313	1282
40°	607	1012	607
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°	102.9	38.4
10°-20°	126.0	47.0
20°-30°	30.8	11.5
30°-40°	6.4	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°	259.7	96.9
0°-40°	266.0	99.3
0°-60°	267.5	99.8
0°-90°	268.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	268.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1269	1269	1269	1269	1269	
5°	1167	1168	1167	1169	1173	103
15°	445	452	463	465	463	124
25°	57	60	64	61	60	29
35°	6	9	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°	1268.6	1268.6	1268.6	1268.6	1268.6
1°	1266.2	1264.5	1264.1	1264.3	1266.4
2°	1254.7	1253.7	1253.5	1254.1	1257.0
3°	1231.4	1232.7	1233.1	1235.1	1236.5
4°	1202.8	1205.3	1204.3	1206.7	1208.4
5°	1167.3	1168.3	1166.9	1169.4	1173.4
6°	1125.9	1122.2	1125.7	1126.7	1129.5
7°	1074.2	1075.0	1076.2	1077.5	1081.7
8°	1023.3	1020.9	1020.3	1026.0	1029.5
9°	963.9	964.3	962.1	968.6	969.6
10°	901.4	896.3	899.0	904.1	905.1
11°	818.9	817.5	821.4	829.3	835.7
12°	741.5	742.3	746.4	749.1	747.6
13°	639.2	645.3	650.4	653.1	649.6
14°	546.7	546.7	553.2	554.2	566.7
15°	444.8	452.3	463.4	465.4	463.0
17.5°	256.9	257.9	263.2	263.0	266.9
20°	148.1	149.5	152.1	151.5	149.7
22.5°	89.0	92.1	98.4	93.3	91.9
25°	57.4	60.0	64.5	60.9	59.8
27.5°	35.9	37.8	41.3	38.0	36.4
30°	22.3	23.3	26.5	23.5	21.6
32.5°	12.0	14.7	17.4	14.7	12.0
35°	6.1	8.6	11.0	8.4	6.1
37.5°	4.1	4.9	7.1	4.7	4.1
40°	2.7	3.3	4.5	3.3	2.7
42.5°	1.4	2.0	2.5	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)