

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: P1319478

Luminaire Tested: P3SQAS02R25B2750DE010 E3SQPHL1MMS_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319478
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R25B2750DE010 E3SQPHL1MMS_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 5000K CCT AND, 80CRI , E3SQPHL1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

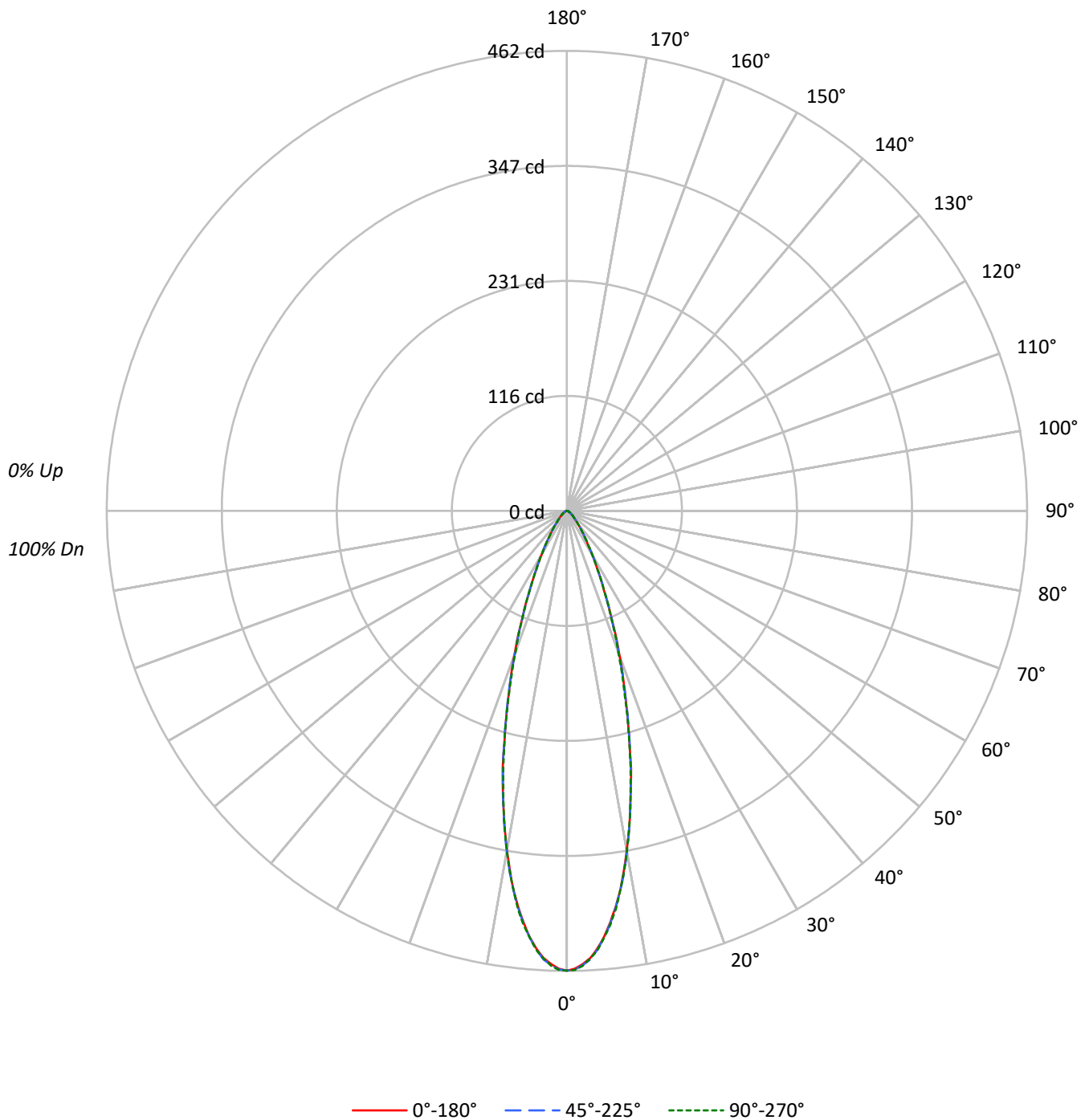
Lumens per Lamp: N/A
Luminaire Lumens: 185.0 lumens
Efficiency: N/A
Efficacy: 63.8 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85	82	80	79
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82	78	76	74
6	91	83	78	74	90	82	77	73	81	76	73		79	76	72		78	75	72	71
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75	71	69	67
8	84	76	70	67	83	75	70	66	74	69	66		73	69	66		72	68	66	64
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69	66	63	62
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67	63	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	79515	79515	79515
5°	74218	74287	74339
10°	60543	60736	60736
15°	43237	43469	43237
20°	28298	28023	27620
25°	16817	16912	16817
30°	10142	10142	10082
35°	6181	6223	6181
40°	3934	3979	3979
45°	2728	2728	2728
50°	1956	2036	2036
55°	1561	1561	1621
60°	1274	1343	1343
65°	1141	1141	1141
70°	957	957	1108
75°	865	865	998
80°	893	893	893
85°	395	395	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2728 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.4	20.7
10°-20°	66.9	36.1
20°-30°	42.0	22.7
30°-40°	19.2	10.4
40°-50°	9.0	4.9
50°-60°	4.8	2.6
60°-70°	2.9	1.5
70°-80°	1.5	0.8
80°-90°	0.3	0.2
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°	147.3	79.6
0°-40°	166.5	90.0
0°-60°	180.3	97.5
0°-90°	185.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	185.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	462	462	462	462	462	
5°	429	430	430	430	430	38
15°	242	244	244	244	242	67
25°	88	90	89	89	88	42
35°	29	29	30	30	29	19
45°	11	11	11	11	11	9
55°	5	5	5	5	5	5
65°	3	3	3	3	3	3
75°	1	1	1	2	2	1
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°	461.7	461.7	461.7	461.7	461.7
1°	459.8	460.2	460.6	461.3	461.1
2°	455.4	456.3	456.5	457.4	457.2
3°	449.6	449.4	451.1	451.1	450.0
4°	440.5	441.0	441.4	441.8	442.1
5°	429.3	430.2	429.7	430.2	430.0
6°	415.5	416.8	416.6	417.0	417.7
7°	400.8	401.7	401.7	401.2	403.0
8°	384.8	384.2	385.3	384.8	384.6
9°	365.8	367.1	367.3	366.3	366.7
10°	346.2	347.0	347.3	347.9	347.3
11°	326.7	326.7	327.2	328.2	326.5
12°	305.6	307.5	305.6	306.4	305.6
13°	285.5	285.9	285.5	285.3	283.8
14°	266.5	265.0	265.4	263.7	263.9
15°	242.5	244.0	243.8	244.2	242.5
17.5°	195.0	195.9	195.7	195.2	193.1
20°	154.4	154.4	152.9	152.0	150.7
22.5°	117.9	117.5	116.8	116.2	116.6
25°	88.5	89.6	89.0	89.0	88.5
27.5°	66.9	68.2	67.2	66.5	66.9
30°	51.0	51.4	51.0	50.7	50.7
32.5°	38.4	38.7	38.4	38.4	38.4
35°	29.4	29.4	29.6	29.6	29.4
37.5°	22.7	22.7	22.7	22.7	22.9
40°	17.5	17.7	17.7	17.7	17.7
42.5°	13.8	14.0	14.0	14.0	14.0
45°	11.2	11.2	11.2	11.2	11.2
47.5°	9.1	9.1	9.1	9.1	9.3
50°	7.3	7.6	7.6	7.6	7.6
52.5°	6.3	6.3	6.3	6.3	6.3
55°	5.2	5.2	5.2	5.4	5.4
57.5°	4.3	4.3	4.5	4.5	4.5
60°	3.7	3.9	3.9	3.9	3.9
62.5°	3.2	3.2	3.5	3.5	3.5
65°	2.8	2.8	2.8	2.8	2.8
67.5°	2.4	2.4	2.4	2.4	2.6
70°	1.9	1.9	1.9	2.2	2.2
72.5°	1.7	1.7	1.7	1.7	1.7
75°	1.3	1.3	1.3	1.5	1.5
77.5°	1.1	1.1	1.1	1.1	1.1
80°	0.9	0.9	0.9	0.9	0.9
82.5°	0.4	0.4	0.6	0.6	0.6
85°	0.2	0.2	0.2	0.2	0.2
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)