

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: P1319488

Luminaire Tested: P3SQAS02R25B2750DE010 E3SQPHLD1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319488
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRIS
Catalog Number: P3SQAS02R25B2750DE010 E3SQPHLD1MW_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 5000K CCT AND, 80CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

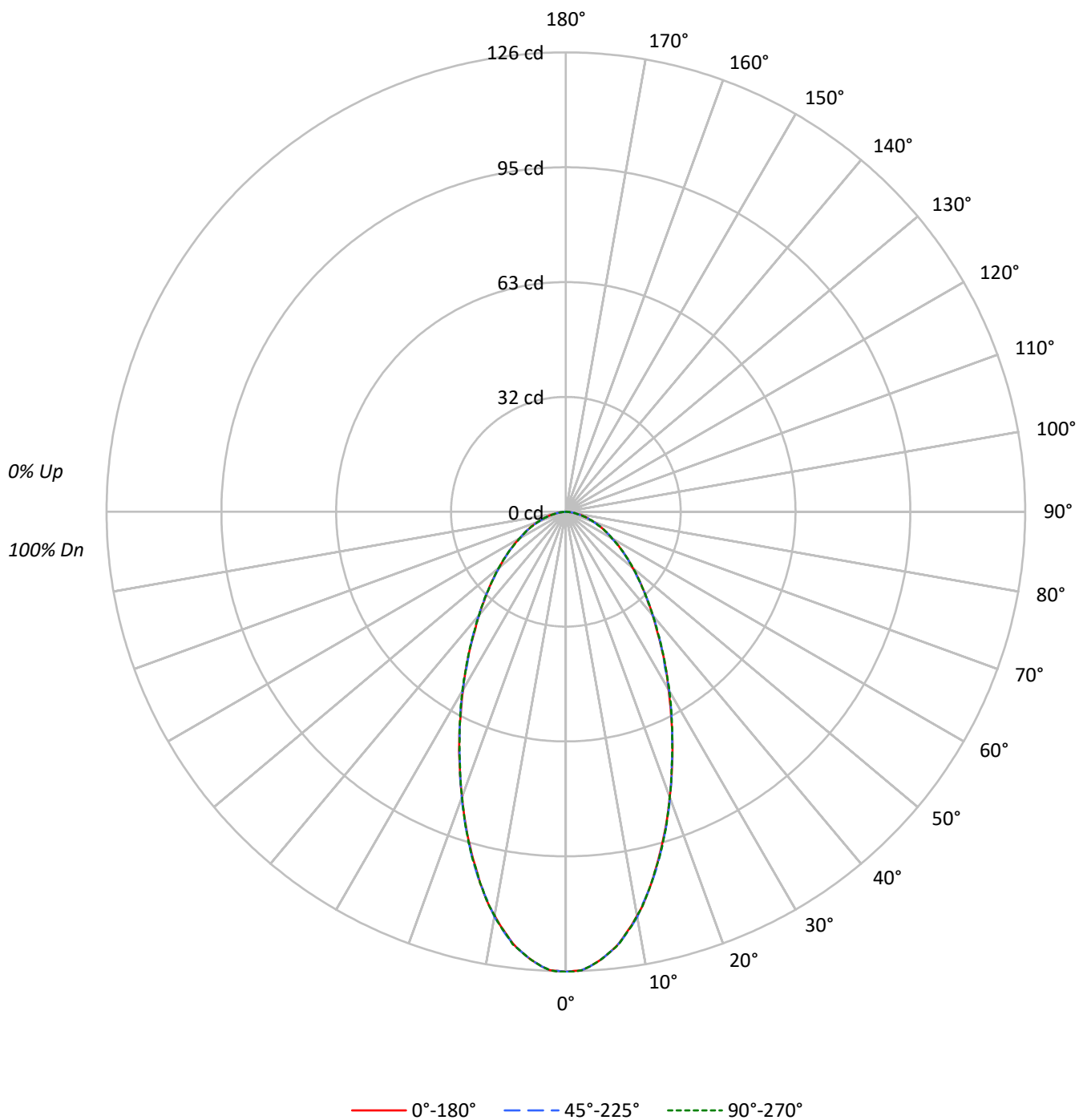
Lumens per Lamp: N/A
Luminaire Lumens: 158.0 lumens
Efficiency: N/A
Efficacy: 54.5 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	102	102	100
1	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88	86	84
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77	75	72
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68	66	63
4	89	79	71	65	87	77	70	65	75	69	64	73	68	63	71	66	63	61	59	56
5	83	72	64	58	81	71	64	58	69	62	58	67	61	57	65	60	56	55	53	50
6	77	66	58	53	76	65	58	52	63	57	52	62	56	52	60	55	51	49	47	44
7	73	61	53	48	71	60	53	48	59	52	47	57	51	47	56	51	47	45	43	40
8	68	56	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	41	39	36
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	38	36	33
10	61	49	42	37	60	49	42	37	48	42	37	47	41	37	46	41	37	35	33	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	21734	21734	21734
5°	21178	21178	21178
10°	19674	19726	19674
15°	17545	17598	17598
20°	15267	15304	15267
25°	13150	13112	13112
30°	11216	11256	11296
35°	9629	9629	9671
40°	8341	8341	8341
45°	7282	7282	7282
50°	6404	6404	6457
55°	5735	5735	5735
60°	5063	5063	5063
65°	4605	4605	4605
70°	4129	4028	4129
75°	3726	3593	3593
80°	2975	2975	2975
85°	2174	2174	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7282 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.4	7.2
10°-20°	27.5	17.4
20°-30°	31.8	20.1
30°-40°	28.8	18.2
40°-50°	23.2	14.7
50°-60°	17.1	10.8
60°-70°	11.2	7.1
70°-80°	5.8	3.7
80°-90°	1.3	0.8
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°	70.6	44.7
0°-40°	99.4	62.9
0°-60°	139.7	88.4
0°-90°	158.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	158.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	126	126	126	126	126	
5°	122	123	122	122	122	11
15°	98	99	99	98	99	27
25°	69	69	69	69	69	32
35°	46	46	46	46	46	29
45°	30	30	30	30	30	23
55°	19	19	19	19	19	17
65°	11	11	11	11	11	11
75°	6	5	5	5	5	6
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	126.2	126.2	126.2	126.2	126.2
1°	126.0	126.4	126.0	126.0	126.2
2°	125.8	126.0	125.8	125.8	125.8
3°	124.9	125.3	124.9	124.9	124.9
4°	123.8	124.2	123.8	123.8	123.8
5°	122.5	122.9	122.5	122.5	122.5
6°	121.0	121.2	121.0	121.0	121.0
7°	119.3	119.5	119.3	119.3	119.5
8°	117.1	117.3	117.3	117.1	117.1
9°	114.9	115.1	115.1	114.9	115.1
10°	112.5	112.8	112.8	112.5	112.5
11°	110.2	110.4	109.9	109.9	110.2
12°	107.3	107.6	107.3	107.3	107.3
13°	104.5	104.5	104.5	104.5	104.5
14°	101.3	101.7	101.7	101.5	101.3
15°	98.4	98.7	98.7	98.4	98.7
17.5°	90.9	91.3	91.1	91.1	91.1
20°	83.3	83.5	83.5	83.3	83.3
22.5°	76.1	75.9	75.9	75.9	75.9
25°	69.2	69.0	69.0	69.2	69.0
27.5°	62.4	62.7	62.7	62.4	62.7
30°	56.4	56.4	56.6	56.4	56.8
32.5°	51.0	51.0	50.7	51.0	51.0
35°	45.8	45.8	45.8	45.8	46.0
37.5°	41.0	41.2	41.4	41.4	41.2
40°	37.1	37.1	37.1	37.1	37.1
42.5°	33.2	33.2	33.4	33.4	33.4
45°	29.9	29.9	29.9	29.9	29.9
47.5°	26.9	26.9	26.7	26.7	26.9
50°	23.9	24.1	23.9	23.9	24.1
52.5°	21.5	21.3	21.3	21.5	21.5
55°	19.1	19.1	19.1	18.9	19.1
57.5°	16.9	16.9	16.7	16.7	16.7
60°	14.7	14.7	14.7	14.7	14.7
62.5°	13.0	13.0	13.0	13.0	13.0
65°	11.3	11.3	11.3	11.3	11.3
67.5°	9.8	9.8	9.8	9.8	9.5
70°	8.2	8.2	8.0	8.0	8.2
72.5°	6.7	6.7	6.7	6.7	6.7
75°	5.6	5.4	5.4	5.4	5.4
77.5°	4.3	4.3	4.1	4.3	4.1
80°	3.0	3.0	3.0	3.0	3.0
82.5°	2.2	2.0	2.0	2.0	2.0
85°	1.1	1.1	1.1	1.1	1.1
87.5°	0.2	0.2	0.2	0.2	0.4



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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)