

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: P1319487

Luminaire Tested: P3SQAS02R25B2750DE010 E3SQPHLD1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319487
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_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 4000K CCT AND, 80CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

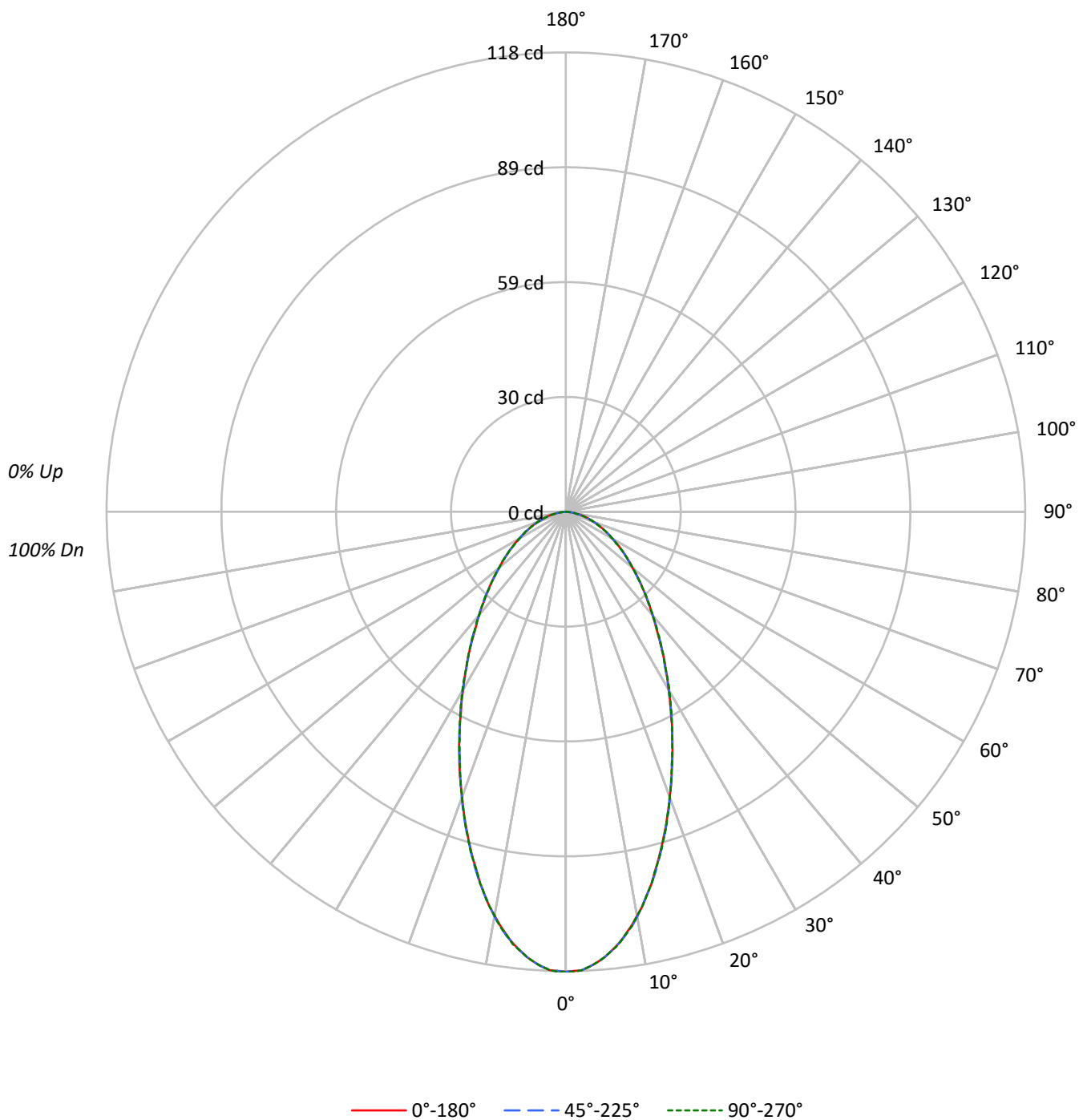
Lumens per Lamp: N/A
Luminaire Lumens: 148.0 lumens
Efficiency: N/A
Efficacy: 51.0 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20357	20357	20357
5°	19847	19847	19847
10°	18432	18467	18432
15°	16439	16475	16475
20°	14295	14332	14295
25°	12314	12276	12276
30°	10500	10540	10580
35°	9020	9020	9062
40°	7801	7801	7801
45°	6820	6820	6820
50°	5975	5975	6028
55°	5375	5375	5375
60°	4753	4753	4753
65°	4320	4320	4320
70°	3877	3777	3877
75°	3527	3394	3394
80°	2777	2777	2777
85°	1976	1976	1976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6820 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.7	7.2
10°-20°	25.7	17.4
20°-30°	29.7	20.1
30°-40°	27.0	18.2
40°-50°	21.7	14.7
50°-60°	16.0	10.8
60°-70°	10.5	7.1
70°-80°	5.4	3.7
80°-90°	1.2	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°	66.1	44.7
0°-40°	93.1	62.9
0°-60°	130.8	88.4
0°-90°	148.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	148.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	118	118	118	118	118	
5°	115	115	115	115	115	11
15°	92	92	92	92	92	26
25°	65	65	65	65	65	30
35°	43	43	43	43	43	27
45°	28	28	28	28	28	22
55°	18	18	18	18	18	16
65°	11	11	11	11	11	11
75°	5	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°	118.2	118.2	118.2	118.2	118.2
1°	118.0	118.4	118.0	118.0	118.2
2°	117.8	118.0	117.8	117.8	117.8
3°	117.0	117.4	117.0	117.0	117.0
4°	116.0	116.4	116.0	116.0	116.0
5°	114.8	115.2	114.8	114.8	114.8
6°	113.3	113.5	113.3	113.3	113.3
7°	111.7	111.9	111.7	111.7	111.9
8°	109.7	109.9	109.9	109.7	109.7
9°	107.7	107.9	107.9	107.7	107.9
10°	105.4	105.6	105.6	105.4	105.4
11°	103.2	103.4	103.0	103.0	103.2
12°	100.5	100.7	100.5	100.5	100.5
13°	97.9	97.9	97.9	97.9	97.9
14°	94.9	95.3	95.3	95.1	94.9
15°	92.2	92.4	92.4	92.2	92.4
17.5°	85.1	85.5	85.3	85.3	85.3
20°	78.0	78.2	78.2	78.0	78.0
22.5°	71.3	71.1	71.1	71.1	71.1
25°	64.8	64.6	64.6	64.8	64.6
27.5°	58.5	58.7	58.7	58.5	58.7
30°	52.8	52.8	53.0	52.8	53.2
32.5°	47.7	47.7	47.5	47.7	47.7
35°	42.9	42.9	42.9	42.9	43.1
37.5°	38.4	38.6	38.8	38.8	38.6
40°	34.7	34.7	34.7	34.7	34.7
42.5°	31.1	31.1	31.3	31.3	31.3
45°	28.0	28.0	28.0	28.0	28.0
47.5°	25.2	25.2	25.0	25.0	25.2
50°	22.3	22.5	22.3	22.3	22.5
52.5°	20.1	19.9	19.9	20.1	20.1
55°	17.9	17.9	17.9	17.7	17.9
57.5°	15.8	15.8	15.6	15.6	15.6
60°	13.8	13.8	13.8	13.8	13.8
62.5°	12.2	12.2	12.2	12.2	12.2
65°	10.6	10.6	10.6	10.6	10.6
67.5°	9.1	9.1	9.1	9.1	8.9
70°	7.7	7.7	7.5	7.5	7.7
72.5°	6.3	6.3	6.3	6.3	6.3
75°	5.3	5.1	5.1	5.1	5.1
77.5°	4.1	4.1	3.9	4.1	3.9
80°	2.8	2.8	2.8	2.8	2.8
82.5°	2.0	1.8	1.8	1.8	1.8
85°	1.0	1.0	1.0	1.0	1.0
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)