

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: P1319486

Luminaire Tested: P3SQAS02R25B2750DE010 E3SQPHLD1MW_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319486
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_3500K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 3500K CCT AND, 80CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

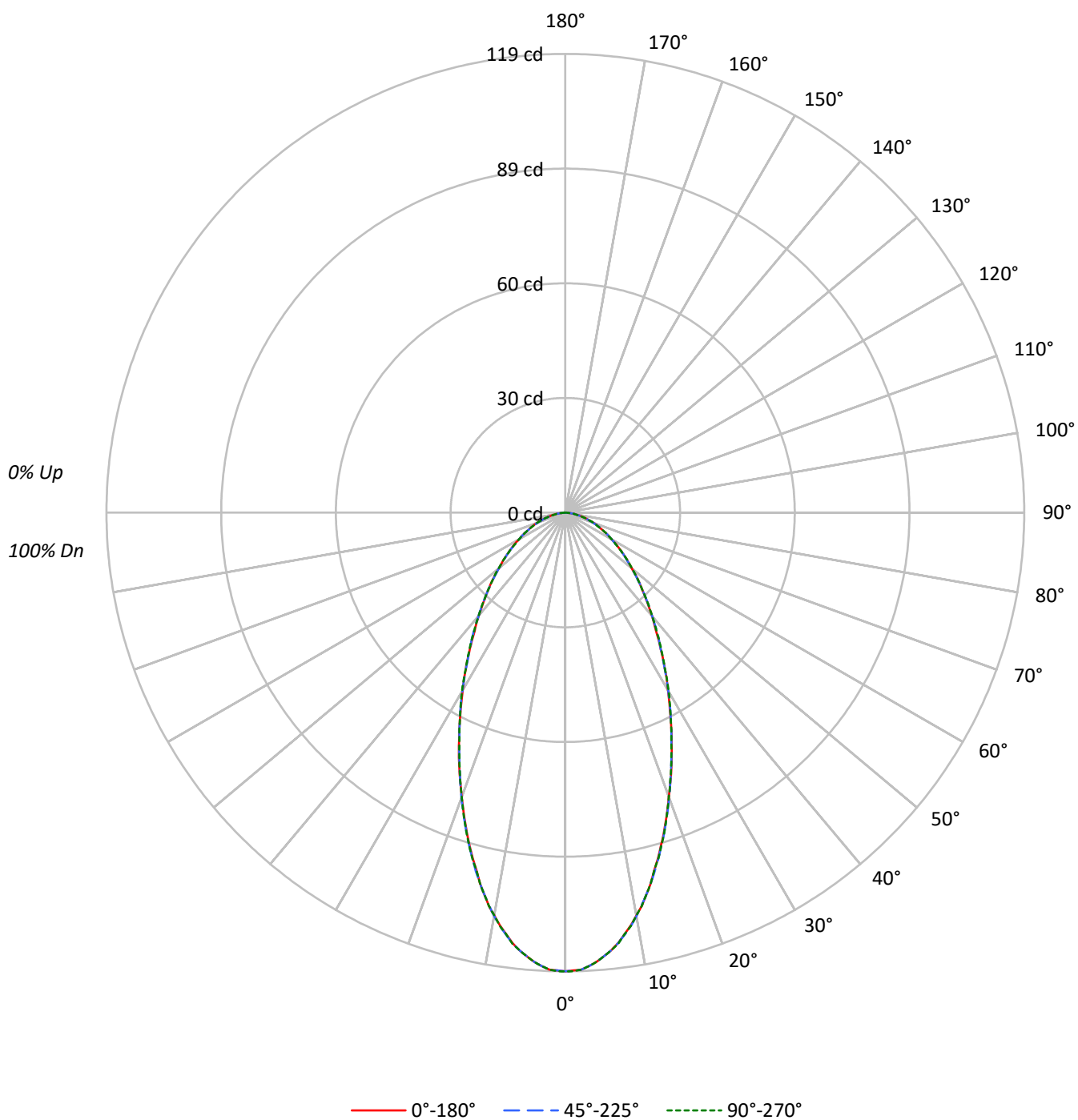
Lumens per Lamp: N/A
Luminaire Lumens: 149.0 lumens
Efficiency: N/A
Efficacy: 51.4 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	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°	20494	20494	20494
5°	19968	19968	19968
10°	18555	18590	18555
15°	16546	16582	16582
20°	14387	14424	14387
25°	12390	12352	12352
30°	10580	10619	10659
35°	9062	9062	9125
40°	7869	7869	7869
45°	6868	6868	6868
50°	6028	6028	6082
55°	5405	5405	5405
60°	4788	4788	4788
65°	4320	4320	4320
70°	3928	3827	3928
75°	3527	3394	3394
80°	2876	2876	2876
85°	1976	1976	1976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6868 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.7	7.2
10°-20°	25.9	17.4
20°-30°	29.9	20.1
30°-40°	27.2	18.2
40°-50°	21.9	14.7
50°-60°	16.1	10.8
60°-70°	10.6	7.1
70°-80°	5.5	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°	66.6	44.7
0°-40°	93.7	62.9
0°-60°	131.7	88.4
0°-90°	149.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	149.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	119	119	119	119	119	
5°	116	116	116	116	116	11
15°	93	93	93	93	93	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°	119.0	119.0	119.0	119.0	119.0
1°	118.8	119.2	118.8	118.8	119.0
2°	118.6	118.8	118.6	118.6	118.6
3°	117.8	118.2	117.8	117.8	117.8
4°	116.8	117.2	116.8	116.8	116.8
5°	115.5	115.9	115.5	115.5	115.5
6°	114.1	114.3	114.1	114.1	114.1
7°	112.5	112.7	112.5	112.5	112.7
8°	110.4	110.6	110.6	110.4	110.4
9°	108.4	108.6	108.6	108.4	108.6
10°	106.1	106.3	106.3	106.1	106.1
11°	103.9	104.1	103.7	103.7	103.9
12°	101.2	101.4	101.2	101.2	101.2
13°	98.6	98.6	98.6	98.6	98.6
14°	95.5	95.9	95.9	95.7	95.5
15°	92.8	93.0	93.0	92.8	93.0
17.5°	85.7	86.1	85.9	85.9	85.9
20°	78.5	78.7	78.7	78.5	78.5
22.5°	71.8	71.6	71.6	71.6	71.6
25°	65.2	65.0	65.0	65.2	65.0
27.5°	58.9	59.1	59.1	58.9	59.1
30°	53.2	53.2	53.4	53.2	53.6
32.5°	48.1	48.1	47.9	48.1	48.1
35°	43.1	43.1	43.1	43.1	43.4
37.5°	38.6	38.9	39.1	39.1	38.9
40°	35.0	35.0	35.0	35.0	35.0
42.5°	31.3	31.3	31.5	31.5	31.5
45°	28.2	28.2	28.2	28.2	28.2
47.5°	25.4	25.4	25.2	25.2	25.4
50°	22.5	22.7	22.5	22.5	22.7
52.5°	20.2	20.0	20.0	20.2	20.2
55°	18.0	18.0	18.0	17.8	18.0
57.5°	16.0	16.0	15.7	15.7	15.7
60°	13.9	13.9	13.9	13.9	13.9
62.5°	12.3	12.3	12.3	12.3	12.3
65°	10.6	10.6	10.6	10.6	10.6
67.5°	9.2	9.2	9.2	9.2	9.0
70°	7.8	7.8	7.6	7.6	7.8
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°	2.9	2.9	2.9	2.9	2.9
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)