

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: P1319484

Luminaire Tested: P3SQAS02R25B2750DE010 E3SQPHLD1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319484
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_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

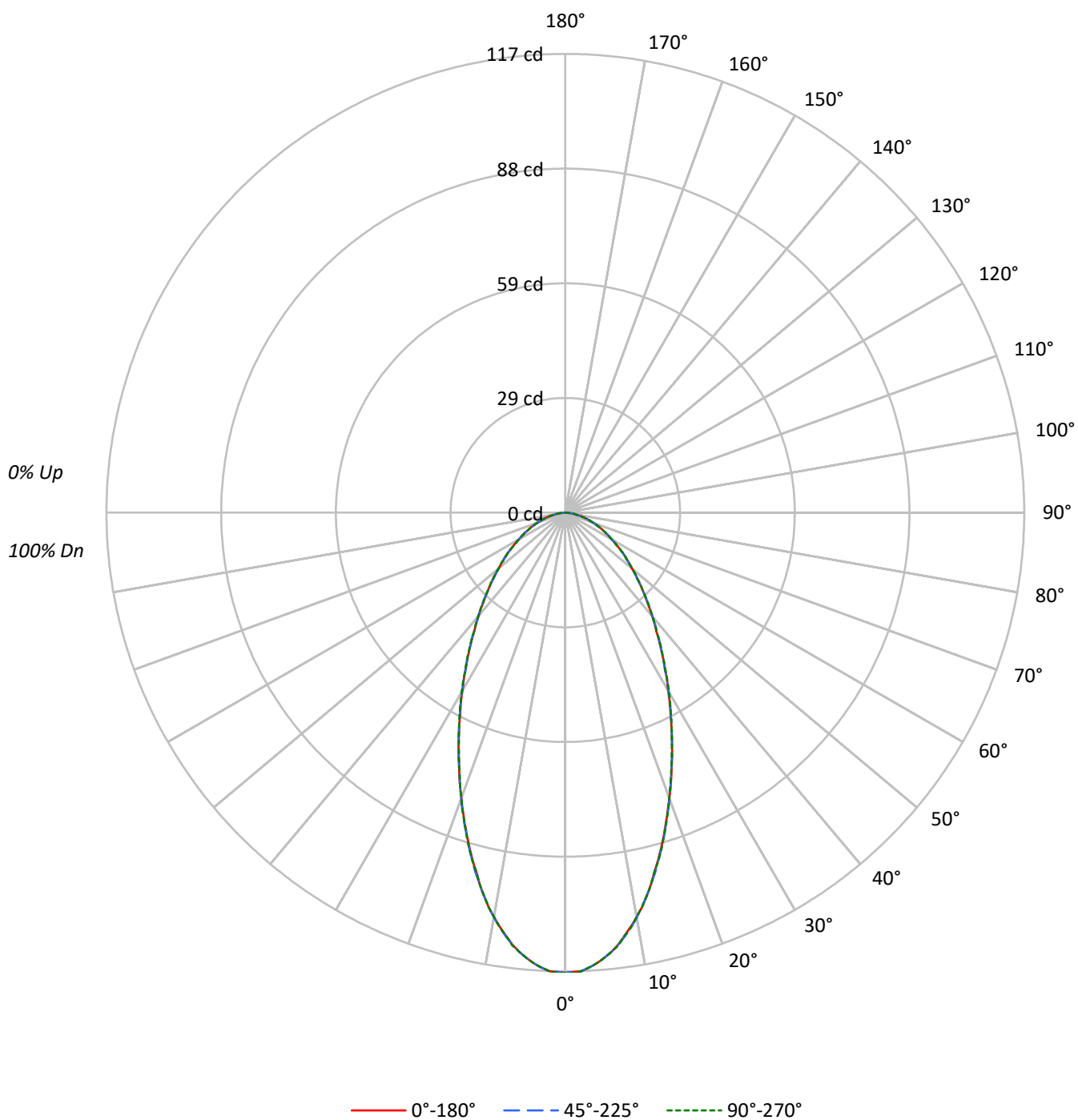
Lumens per Lamp: N/A
Luminaire Lumens: 147.0 lumens
Efficiency: N/A
Efficacy: 50.7 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	111	107	104	100	108	105	102	99	101	98	96		97	95	93		93
2	103	96	90	86	100	94	89	85	91	86	83		88	84	81		85
3	95	87	80	74	93	85	79	74	82	77	72		80	75	71		77
4	89	79	71	65	87	77	70	65	75	69	64		73	68	63		71
5	83	72	64	58	81	71	64	58	69	62	58		67	61	57		65
6	77	66	58	53	76	65	58	52	63	57	52		62	56	52		60
7	73	61	53	48	71	60	53	48	59	52	47		57	51	47		56
8	68	56	49	44	67	56	49	44	55	48	44		53	48	43		52
9	64	53	45	40	63	52	45	40	51	45	40		50	44	40		49
10	61	49	42	37	60	49	42	37	48	42	37		47	41	37		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20219	20219	20219
5°	19708	19708	19708
10°	18310	18345	18310
15°	16332	16368	16368
20°	14204	14241	14204
25°	12238	12200	12200
30°	10440	10480	10520
35°	8956	8956	8998
40°	7756	7756	7756
45°	6771	6771	6771
50°	5948	5948	6002
55°	5345	5345	5345
60°	4719	4719	4719
65°	4279	4279	4279
70°	3877	3777	3877
75°	3460	3327	3327
80°	2777	2777	2777
85°	1976	1976	1976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6771 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.6	7.2
10°-20°	25.6	17.4
20°-30°	29.5	20.1
30°-40°	26.8	18.2
40°-50°	21.6	14.7
50°-60°	15.9	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°	65.7	44.7
0°-40°	92.5	62.9
0°-60°	129.9	88.4
0°-90°	147.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	147.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	117	117	117	117	117	
5°	114	114	114	114	114	11
15°	92	92	92	92	92	26
25°	64	64	64	64	64	30
35°	43	43	43	43	43	27
45°	28	28	28	28	28	22
55°	18	18	18	18	18	16
65°	10	10	10	10	10	10
75°	5	5	5	5	5	5
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°	117.4	117.4	117.4	117.4	117.4
1°	117.2	117.6	117.2	117.2	117.4
2°	117.0	117.2	117.0	117.0	117.0
3°	116.2	116.6	116.2	116.2	116.2
4°	115.2	115.6	115.2	115.2	115.2
5°	114.0	114.4	114.0	114.0	114.0
6°	112.6	112.8	112.6	112.6	112.6
7°	111.0	111.2	111.0	111.0	111.2
8°	108.9	109.1	109.1	108.9	108.9
9°	106.9	107.1	107.1	106.9	107.1
10°	104.7	104.9	104.9	104.7	104.7
11°	102.5	102.7	102.3	102.3	102.5
12°	99.9	100.1	99.9	99.9	99.9
13°	97.2	97.2	97.2	97.2	97.2
14°	94.2	94.6	94.6	94.4	94.2
15°	91.6	91.8	91.8	91.6	91.8
17.5°	84.5	84.9	84.7	84.7	84.7
20°	77.5	77.7	77.7	77.5	77.5
22.5°	70.8	70.6	70.6	70.6	70.6
25°	64.4	64.2	64.2	64.4	64.2
27.5°	58.1	58.3	58.3	58.1	58.3
30°	52.5	52.5	52.7	52.5	52.9
32.5°	47.4	47.4	47.2	47.4	47.4
35°	42.6	42.6	42.6	42.6	42.8
37.5°	38.1	38.3	38.5	38.5	38.3
40°	34.5	34.5	34.5	34.5	34.5
42.5°	30.9	30.9	31.1	31.1	31.1
45°	27.8	27.8	27.8	27.8	27.8
47.5°	25.0	25.0	24.8	24.8	25.0
50°	22.2	22.4	22.2	22.2	22.4
52.5°	20.0	19.8	19.8	20.0	20.0
55°	17.8	17.8	17.8	17.6	17.8
57.5°	15.7	15.7	15.5	15.5	15.5
60°	13.7	13.7	13.7	13.7	13.7
62.5°	12.1	12.1	12.1	12.1	12.1
65°	10.5	10.5	10.5	10.5	10.5
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°	5.2	5.0	5.0	5.0	5.0
77.5°	4.0	4.0	3.8	4.0	3.8
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)