

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: P1319403

Luminaire Tested: P3SQAS02R20B2750DE010 E3SQPHLD1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319403
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R20B2750DE010 E3SQPHLD1MW_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 80CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

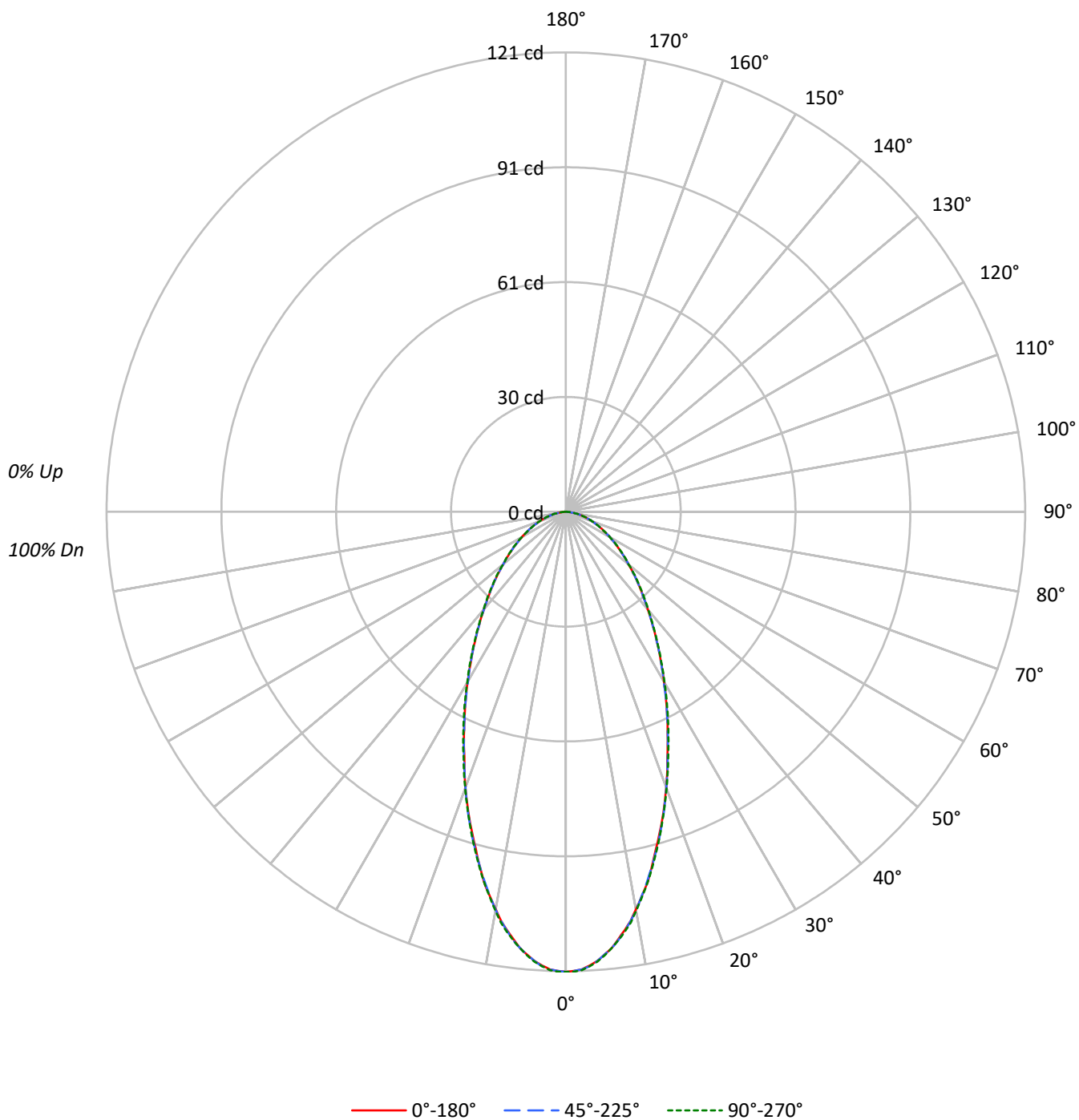
Lumens per Lamp: N/A
Luminaire Lumens: 145.1 lumens
Efficiency: N/A
Efficacy: 50.0 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	91	86	100	94	89	85	91	87	83		88	84	81		85	82	79	77
3	96	87	80	75	93	85	79	74	82	77	73		80	75	71		77	74	70	68
4	89	79	71	66	87	78	71	65	75	69	65		73	68	64		71	67	63	61
5	83	72	64	59	81	71	64	58	69	63	58		67	62	57		65	61	57	55
6	78	66	59	53	76	65	58	53	64	57	52		62	56	52		61	56	52	50
7	73	61	54	48	71	60	53	48	59	53	48		58	52	48		56	51	47	45
8	69	57	49	44	67	56	49	44	55	49	44		54	48	44		53	47	43	42
9	65	53	46	41	63	52	45	41	51	45	41		50	45	40		49	44	40	39
10	61	50	43	38	60	49	42	38	48	42	38		47	42	38		46	41	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20873	20873	20873
5°	20244	20244	20279
10°	18590	18625	18660
15°	16368	16439	16475
20°	14167	14167	14204
25°	12048	12048	12143
30°	10281	10242	10341
35°	8788	8788	8830
40°	7554	7554	7599
45°	6600	6600	6649
50°	5787	5787	5787
55°	5134	5134	5195
60°	4616	4616	4616
65°	4157	4157	4157
70°	3726	3726	3726
75°	3327	3194	3327
80°	2777	2777	2777
85°	1778	1778	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 6649 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.8	7.5
10°-20°	25.7	17.7
20°-30°	29.2	20.1
30°-40°	26.3	18.1
40°-50°	21.0	14.5
50°-60°	15.5	10.7
60°-70°	10.1	7.0
70°-80°	5.3	3.6
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	45.3
0°-40°	92.0	63.4
0°-60°	128.5	88.6
0°-90°	145.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	145.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	121	121	121	121	121	
5°	117	117	117	117	117	11
15°	92	92	92	92	92	26
25°	63	63	63	64	64	29
35°	42	42	42	42	42	26
45°	27	27	27	27	27	21
55°	17	17	17	17	17	15
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°	121.2	121.2	121.2	121.2	121.2
1°	121.0	120.8	121.0	121.0	121.2
2°	120.6	120.6	120.6	120.4	120.8
3°	119.7	119.7	119.9	119.7	119.9
4°	118.6	118.6	118.6	118.4	118.8
5°	117.1	117.1	117.1	117.1	117.3
6°	115.6	115.4	115.6	115.4	115.6
7°	113.4	113.4	113.7	113.4	113.7
8°	111.3	111.1	111.5	111.3	111.7
9°	109.1	108.9	109.1	108.9	109.5
10°	106.3	106.5	106.5	106.5	106.7
12.5°	99.8	99.4	99.4	99.4	99.8
15°	91.8	91.8	92.2	92.2	92.4
17.5°	84.6	84.4	84.9	84.9	84.9
20°	77.3	77.1	77.3	77.3	77.5
22.5°	69.9	70.1	70.1	70.1	70.4
25°	63.4	63.4	63.4	63.6	63.9
27.5°	57.4	57.1	57.4	57.6	57.8
30°	51.7	51.5	51.5	51.7	52.0
32.5°	46.5	46.3	46.5	46.5	46.8
35°	41.8	41.8	41.8	41.8	42.0
37.5°	37.5	37.5	37.5	37.7	37.7
40°	33.6	33.6	33.6	33.8	33.8
42.5°	30.1	30.1	30.1	30.3	30.5
45°	27.1	27.1	27.1	27.1	27.3
47.5°	24.2	24.2	24.2	24.5	24.5
50°	21.6	21.4	21.6	21.9	21.6
52.5°	19.3	19.3	19.3	19.3	19.5
55°	17.1	17.1	17.1	17.1	17.3
57.5°	15.2	15.2	15.2	15.4	15.4
60°	13.4	13.4	13.4	13.4	13.4
62.5°	11.7	11.7	11.7	11.7	11.7
65°	10.2	10.0	10.2	10.2	10.2
67.5°	8.7	8.7	8.7	8.7	8.7
70°	7.4	7.4	7.4	7.4	7.4
72.5°	6.1	6.1	6.1	6.1	6.1
75°	5.0	4.8	4.8	5.0	5.0
77.5°	3.9	3.7	3.9	3.9	3.9
80°	2.8	2.8	2.8	2.8	2.8
82.5°	1.7	1.7	1.7	1.9	1.9
85°	0.9	0.9	0.9	1.1	1.1
87.5°	0.2	0.2	0.2	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)