

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: P1319402

Luminaire Tested: P3SQAS02R20B2750DE010 E3SQPHLD1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319402
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_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 4000K CCT AND, 80CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

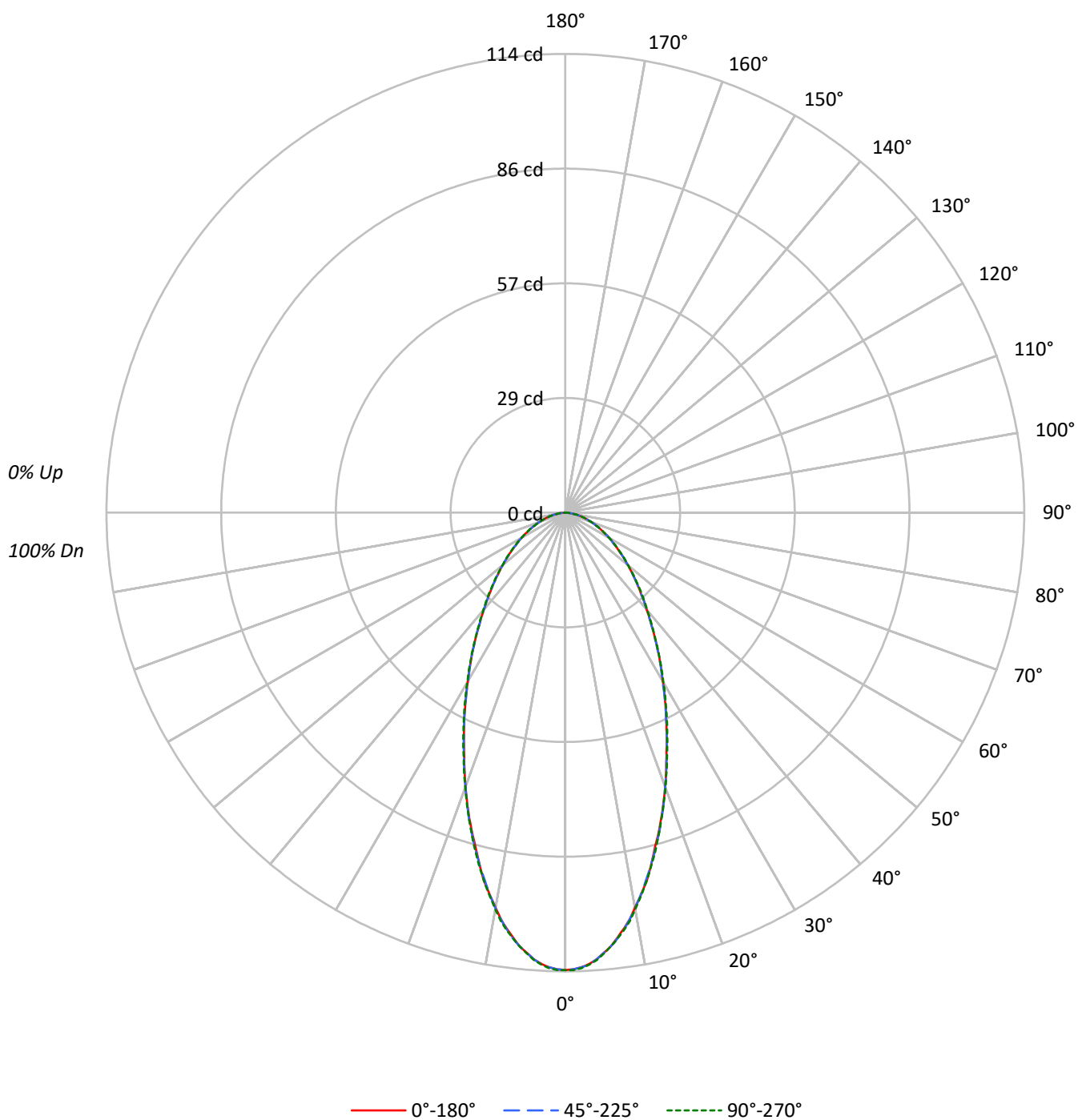
Lumens per Lamp: N/A
Luminaire Lumens: 136.0 lumens
Efficiency: N/A
Efficacy: 46.9 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19582	19582	19582
5°	18982	18982	19017
10°	17435	17470	17505
15°	15351	15423	15458
20°	13287	13287	13324
25°	11307	11307	11383
30°	9645	9605	9685
35°	8242	8242	8284
40°	7082	7082	7127
45°	6186	6186	6235
50°	5439	5439	5439
55°	4804	4804	4864
60°	4340	4340	4340
65°	3871	3871	3871
70°	3474	3474	3474
75°	3127	2994	3127
80°	2579	2579	2579
85°	1581	1581	1976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 6235 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.2	7.5
10°-20°	24.1	17.7
20°-30°	27.4	20.2
30°-40°	24.6	18.1
40°-50°	19.7	14.5
50°-60°	14.5	10.7
60°-70°	9.5	7.0
70°-80°	4.9	3.6
80°-90°	1.1	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°	61.7	45.3
0°-40°	86.3	63.4
0°-60°	120.5	88.6
0°-90°	136.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	136.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	114	114	114	114	114	
5°	110	110	110	110	110	10
15°	86	86	86	86	87	24
25°	60	60	60	60	60	27
35°	39	39	39	39	39	25
45°	25	25	25	25	26	20
55°	16	16	16	16	16	14
65°	10	9	10	10	10	9
75°	5	4	4	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°	113.7	113.7	113.7	113.7	113.7
1°	113.5	113.3	113.5	113.5	113.7
2°	113.1	113.1	113.1	112.9	113.3
3°	112.3	112.3	112.5	112.3	112.5
4°	111.3	111.3	111.3	111.1	111.5
5°	109.8	109.8	109.8	109.8	110.0
6°	108.4	108.2	108.4	108.2	108.4
7°	106.4	106.4	106.6	106.4	106.6
8°	104.4	104.2	104.6	104.4	104.8
9°	102.3	102.1	102.3	102.1	102.7
10°	99.7	99.9	99.9	99.9	100.1
12.5°	93.6	93.2	93.2	93.2	93.6
15°	86.1	86.1	86.5	86.5	86.7
17.5°	79.4	79.2	79.6	79.6	79.6
20°	72.5	72.3	72.5	72.5	72.7
22.5°	65.6	65.8	65.8	65.8	66.0
25°	59.5	59.5	59.5	59.7	59.9
27.5°	53.8	53.6	53.8	54.0	54.2
30°	48.5	48.3	48.3	48.5	48.7
32.5°	43.7	43.5	43.7	43.7	43.9
35°	39.2	39.2	39.2	39.2	39.4
37.5°	35.1	35.1	35.1	35.3	35.3
40°	31.5	31.5	31.5	31.7	31.7
42.5°	28.2	28.2	28.2	28.4	28.6
45°	25.4	25.4	25.4	25.4	25.6
47.5°	22.7	22.7	22.7	22.9	22.9
50°	20.3	20.1	20.3	20.5	20.3
52.5°	18.1	18.1	18.1	18.1	18.3
55°	16.0	16.0	16.0	16.0	16.2
57.5°	14.2	14.2	14.2	14.4	14.4
60°	12.6	12.6	12.6	12.6	12.6
62.5°	11.0	11.0	11.0	11.0	11.0
65°	9.5	9.3	9.5	9.5	9.5
67.5°	8.1	8.1	8.1	8.1	8.1
70°	6.9	6.9	6.9	6.9	6.9
72.5°	5.7	5.7	5.7	5.7	5.7
75°	4.7	4.5	4.5	4.7	4.7
77.5°	3.7	3.5	3.7	3.7	3.7
80°	2.6	2.6	2.6	2.6	2.6
82.5°	1.6	1.6	1.6	1.8	1.8
85°	0.8	0.8	0.8	1.0	1.0
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)