

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: P1319405

Luminaire Tested: P3SQAS02R20B2750DE010 E3SQPHLP1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319405
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R20B2750DE010 E3SQPHLP1MW_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

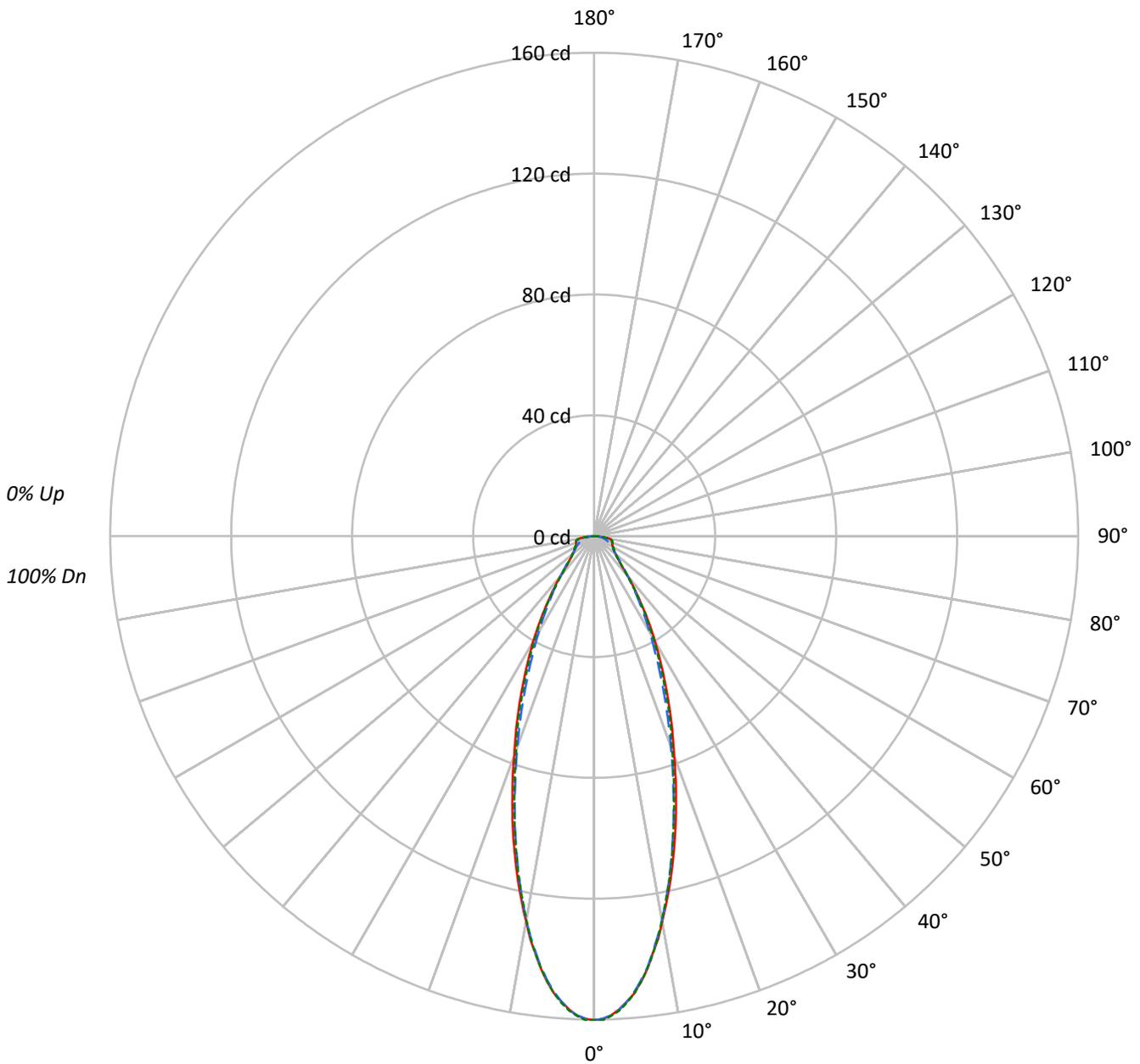
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 113.1 lumens
Efficiency: N/A
Efficacy: 39.0 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
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



— 0°-180° - - 45°-225° ···· 90°-270°



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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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	111	107	104	101	109	105	102	100	101	99	96	97	95	93	94	92	91	91	91	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	82	82	82	80
3	98	90	83	79	96	88	82	78	85	81	77	83	79	75	81	77	74	74	74	74	72
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	63	63	63	61
6	82	72	65	60	81	71	65	60	69	64	59	68	63	59	67	62	58	58	58	58	57
7	78	67	61	56	76	67	60	56	65	60	55	64	59	55	63	58	55	55	55	55	53
8	74	63	57	52	73	63	56	52	62	56	52	61	55	52	60	55	51	51	51	51	50
9	71	60	53	49	69	59	53	49	58	53	49	57	52	49	57	52	48	48	48	48	47
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	46	46	46	44

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	27590	27590	27590
5°	26261	26191	26261
10°	22664	22594	22559
15°	18400	17972	18044
20°	14167	13562	13801
25°	10775	9976	10470
30°	7994	7278	7756
35°	5635	5256	5550
40°	3889	3889	3799
45°	2850	2996	2850
50°	2492	2492	2492
55°	2402	2342	2402
60°	2480	2273	2480
65°	2690	2282	2690
70°	3223	2316	3223
75°	4126	2529	4126
80°	5157	2579	4959
85°	3952	2371	4347

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 5157 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.7	12.2
10°-20°	28.1	24.8
20°-30°	25.1	22.2
30°-40°	16.4	14.5
40°-50°	9.5	8.4
50°-60°	7.1	6.3
60°-70°	6.0	5.3
70°-80°	5.0	4.4
80°-90°	2.1	1.8
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°	66.9	59.2
0°-40°	83.3	73.7
0°-60°	100.0	88.4
0°-90°	113.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	113.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	160	160	160	160	160	
5°	152	152	152	152	152	14
15°	103	102	101	101	101	29
25°	57	55	52	54	55	26
35°	27	26	25	26	26	17
45°	12	12	12	12	12	9
55°	8	8	8	8	8	7
65°	7	6	6	6	7	7
75°	6	5	4	5	6	6
85°	2	2	1	2	2	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	160.2	160.2	160.2	160.2	160.2
1°	159.8	160.0	159.8	160.0	160.2
2°	158.8	159.0	158.8	158.8	159.0
3°	156.9	157.1	157.1	157.1	157.3
4°	154.5	154.7	154.5	154.7	154.9
5°	151.9	151.7	151.5	151.7	151.9
6°	148.3	148.1	147.9	148.1	148.3
7°	144.3	144.1	143.9	143.9	144.1
8°	139.4	139.6	139.0	139.4	139.6
9°	135.0	134.6	134.2	134.2	134.6
10°	129.6	129.2	129.2	129.0	129.0
12.5°	116.5	115.7	115.1	115.1	115.3
15°	103.2	102.2	100.8	101.0	101.2
17.5°	89.9	88.7	86.9	87.3	87.7
20°	77.3	76.1	74.0	74.7	75.3
22.5°	66.6	64.8	62.8	63.4	65.4
25°	56.7	55.1	52.5	53.9	55.1
27.5°	47.9	46.1	43.9	45.3	46.5
30°	40.2	38.6	36.6	37.8	39.0
32.5°	33.2	31.8	30.4	31.2	32.2
35°	26.8	26.0	25.0	25.8	26.4
37.5°	21.7	21.3	20.9	21.3	21.1
40°	17.3	17.5	17.3	17.3	16.9
42.5°	13.7	14.3	14.5	14.1	13.7
45°	11.7	11.9	12.3	11.9	11.7
47.5°	10.3	10.3	10.5	10.3	10.1
50°	9.3	9.3	9.3	9.3	9.3
52.5°	8.5	8.5	8.3	8.5	8.5
55°	8.0	7.8	7.8	7.8	8.0
57.5°	7.6	7.4	7.2	7.4	7.6
60°	7.2	6.8	6.6	6.8	7.2
62.5°	6.8	6.4	6.2	6.4	6.8
65°	6.6	6.0	5.6	6.0	6.6
67.5°	6.4	5.6	5.2	5.6	6.6
70°	6.4	5.2	4.6	5.4	6.4
72.5°	6.2	5.0	4.2	5.0	6.2
75°	6.2	4.6	3.8	4.6	6.2
77.5°	5.8	4.2	3.2	4.2	5.8
80°	5.2	3.8	2.6	3.8	5.0
82.5°	3.8	3.2	2.0	3.2	3.8
85°	2.0	2.2	1.2	2.2	2.2
87.5°	0.2	0.8	0.4	1.2	1.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)