

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: P1319408

Luminaire Tested: P3SQAS02R20B2750DE010 E3SQPHLP1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319408
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_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 80CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

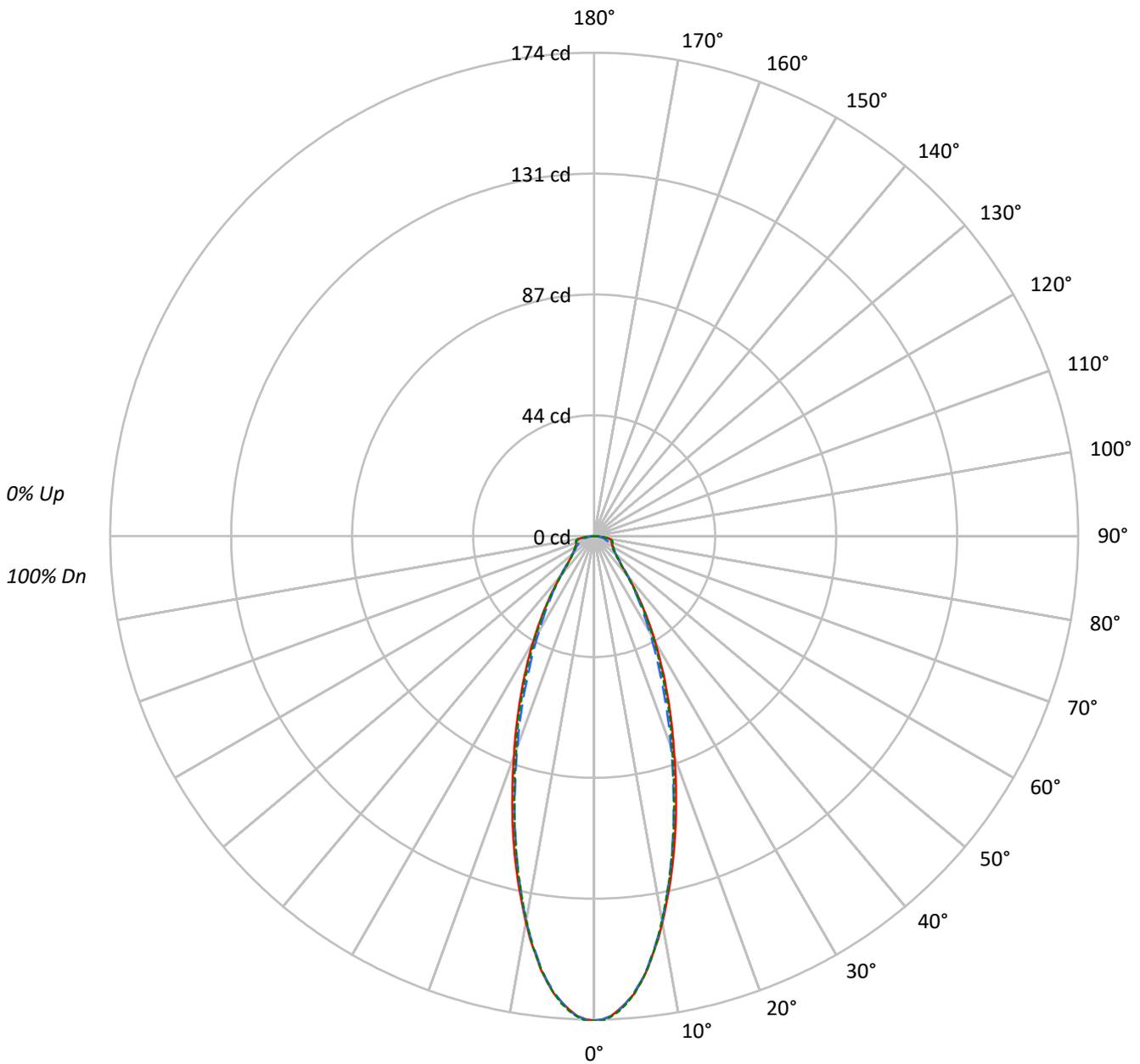
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 123.0 lumens
Efficiency: N/A
Efficacy: 42.4 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% Up
100% Dn

— 0°-180° - - 45°-225° - - - 90°-270°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	108	104	101	109	105	102	100	101	99	96	97	95	94	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	84	79	96	88	83	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	59	59	59	59	57
7	78	67	61	56	77	67	60	56	65	60	55	64	59	55	63	58	55	55	55	55	53
8	74	63	57	52	73	63	57	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°	30036	30036	30036
5°	28577	28508	28577
10°	24675	24606	24553
15°	20023	19559	19631
20°	15432	14754	15029
25°	11725	10851	11383
30°	8690	7915	8432
35°	6139	5740	6055
40°	4227	4227	4137
45°	3118	3264	3118
50°	2733	2733	2733
55°	2612	2522	2612
60°	2687	2446	2687
65°	2893	2486	2893
70°	3474	2518	3474
75°	4458	2728	4458
80°	5554	2777	5356
85°	4347	2569	4742

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 5554 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.0	12.2
10°-20°	30.5	24.8
20°-30°	27.3	22.2
30°-40°	17.9	14.6
40°-50°	10.4	8.5
50°-60°	7.7	6.3
60°-70°	6.5	5.3
70°-80°	5.4	4.4
80°-90°	2.3	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°	72.8	59.2
0°-40°	90.7	73.7
0°-60°	108.8	88.5
0°-90°	123.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	123.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	174	174	174	174	174	
5°	165	165	165	165	165	15
15°	112	111	110	110	110	31
25°	62	60	57	59	60	28
35°	29	28	27	28	29	19
45°	13	13	13	13	13	10
55°	9	8	8	8	9	8
65°	7	6	6	6	7	7
75°	7	5	4	5	7	7
85°	2	2	1	2	2	3
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	174.4	174.4	174.4	174.4	174.4
1°	174.0	174.2	174.0	174.2	174.4
2°	172.9	173.1	172.9	172.9	173.1
3°	170.7	171.0	171.0	171.0	171.2
4°	168.1	168.4	168.1	168.4	168.6
5°	165.3	165.1	164.9	165.1	165.3
6°	161.4	161.2	161.0	161.2	161.4
7°	157.1	156.9	156.7	156.7	156.9
8°	151.7	151.9	151.3	151.7	151.9
9°	146.9	146.5	146.1	146.1	146.5
10°	141.1	140.7	140.7	140.4	140.4
12.5°	126.8	125.9	125.3	125.3	125.5
15°	112.3	111.2	109.7	109.9	110.1
17.5°	97.8	96.5	94.6	95.0	95.4
20°	84.2	82.9	80.5	81.4	82.0
22.5°	72.5	70.5	68.4	69.0	71.2
25°	61.7	59.9	57.1	58.6	59.9
27.5°	52.2	50.2	47.8	49.3	50.6
30°	43.7	42.0	39.8	41.1	42.4
32.5°	36.1	34.6	33.1	34.0	35.1
35°	29.2	28.3	27.3	28.1	28.8
37.5°	23.6	23.2	22.7	23.2	22.9
40°	18.8	19.0	18.8	18.8	18.4
42.5°	14.9	15.6	15.8	15.4	14.9
45°	12.8	13.0	13.4	13.0	12.8
47.5°	11.3	11.3	11.5	11.3	11.0
50°	10.2	10.2	10.2	10.2	10.2
52.5°	9.3	9.3	9.1	9.3	9.3
55°	8.7	8.4	8.4	8.4	8.7
57.5°	8.2	8.0	7.8	8.0	8.2
60°	7.8	7.4	7.1	7.4	7.8
62.5°	7.4	6.9	6.7	6.9	7.4
65°	7.1	6.5	6.1	6.5	7.1
67.5°	6.9	6.1	5.6	6.1	7.1
70°	6.9	5.6	5.0	5.8	6.9
72.5°	6.7	5.4	4.5	5.4	6.7
75°	6.7	5.0	4.1	5.0	6.7
77.5°	6.3	4.5	3.5	4.5	6.3
80°	5.6	4.1	2.8	4.1	5.4
82.5°	4.1	3.5	2.2	3.5	4.1
85°	2.2	2.4	1.3	2.4	2.4
87.5°	0.2	0.9	0.4	1.3	1.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)