

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: P1319406

Luminaire Tested: P3SQAS02R20B2750DE010 E3SQPHLP1MW\_3500K

Issue Date: 1/29/2026

**Test Information**

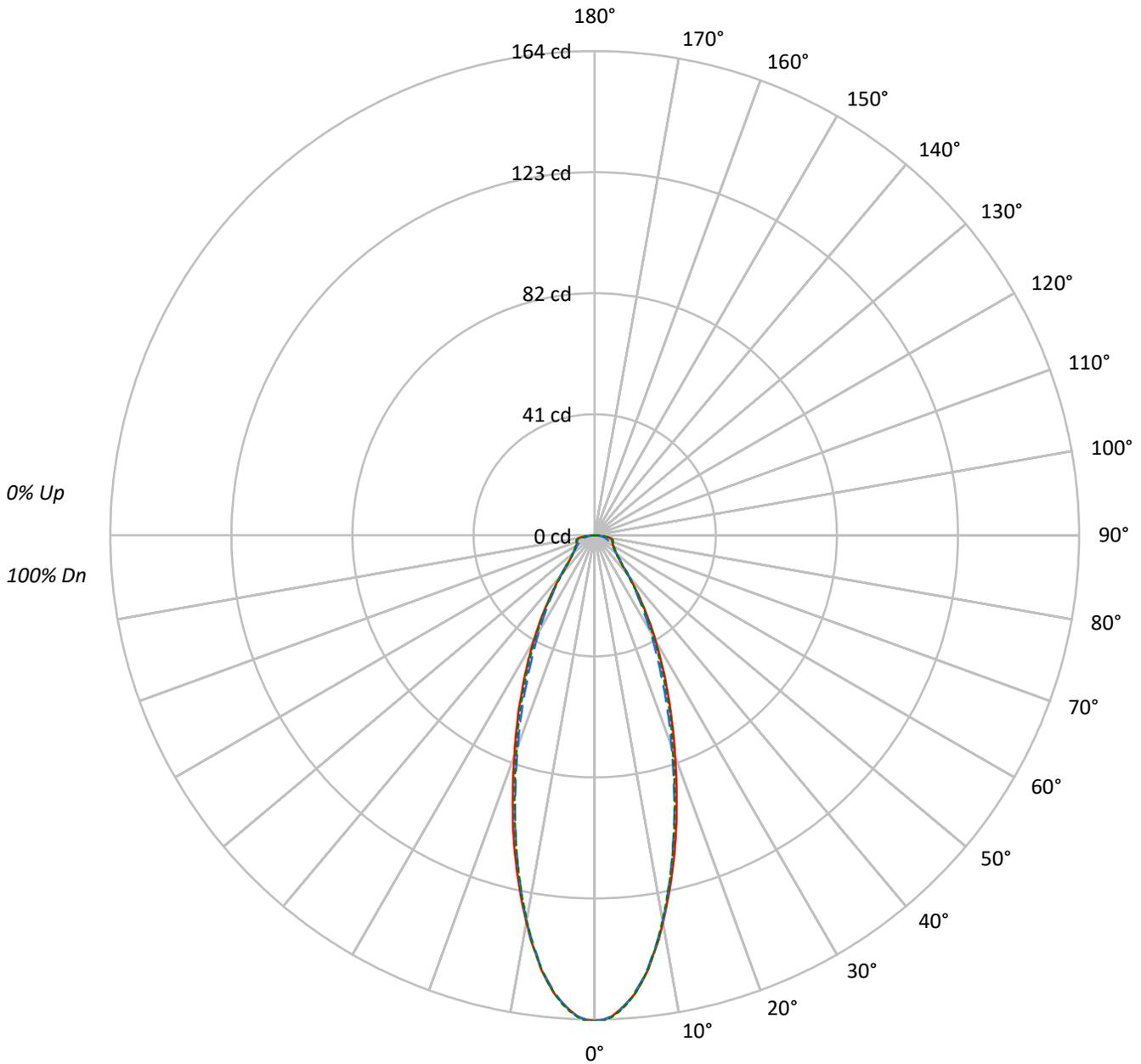
Test Method: LM-79-2019  
Report Number: P1319406  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS02R20B2750DE010 E3SQPHLP1MW\_3500K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 3500K CCT AND, 80CRI , E3SQPHLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 116.0 lumens  
Efficiency: N/A  
Efficacy: 40.0 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	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	64	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	58	52	49	57	52	48	48	48	48	47
10	67	57	51	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°	28331	28331	28331
5°	26952	26883	26952
10°	23276	23207	23154
15°	18882	18454	18525
20°	14552	13911	14167
25°	11060	10242	10737
30°	8193	7477	7955
35°	5803	5403	5698
40°	4002	4002	3889
45°	2923	3093	2923
50°	2572	2572	2572
55°	2462	2402	2462
60°	2514	2308	2514
65°	2730	2323	2730
70°	3273	2367	3273
75°	4192	2595	4192
80°	5256	2678	5058
85°	3952	2371	4347

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 5256 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	14.1	12.2
10°-20°	28.8	24.8
20°-30°	25.7	22.2
30°-40°	16.9	14.6
40°-50°	9.8	8.5
50°-60°	7.3	6.3
60°-70°	6.1	5.3
70°-80°	5.1	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
<b>0°-30°</b>	<b>68.7</b>	<b>59.2</b>
<b>0°-40°</b>	<b>85.5</b>	<b>73.7</b>
<b>0°-60°</b>	<b>102.7</b>	<b>88.5</b>
<b>0°-90°</b>	<b>116.0</b>	<b>100.0</b>
90°-120°	0.0	0.0
90°-150°	0.0	0.0
<b>90°-180°</b>	<b>0.0</b>	<b>0.0</b>
<b>0°-180°</b>	<b>116.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	164	164	164	164	164	
5°	156	156	156	156	156	14
15°	106	105	104	104	104	29
25°	58	56	54	55	56	27
35°	28	27	26	26	27	18
45°	12	12	13	12	12	10
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°	164.5	164.5	164.5	164.5	164.5
1°	164.1	164.3	164.1	164.3	164.5
2°	163.1	163.3	163.1	163.1	163.3
3°	161.0	161.2	161.2	161.2	161.4
4°	158.6	158.8	158.6	158.8	159.0
5°	155.9	155.7	155.5	155.7	155.9
6°	152.2	152.0	151.8	152.0	152.2
7°	148.2	148.0	147.8	147.8	148.0
8°	143.1	143.3	142.7	143.1	143.3
9°	138.6	138.2	137.8	137.8	138.2
10°	133.1	132.7	132.7	132.4	132.4
12.5°	119.6	118.8	118.2	118.2	118.4
15°	105.9	104.9	103.5	103.7	103.9
17.5°	92.2	91.0	89.2	89.6	90.0
20°	79.4	78.2	75.9	76.7	77.3
22.5°	68.4	66.5	64.5	65.1	67.1
25°	58.2	56.5	53.9	55.3	56.5
27.5°	49.2	47.3	45.1	46.5	47.8
30°	41.2	39.6	37.6	38.8	40.0
32.5°	34.1	32.7	31.2	32.0	33.1
35°	27.6	26.7	25.7	26.5	27.1
37.5°	22.2	21.8	21.4	21.8	21.6
40°	17.8	18.0	17.8	17.8	17.3
42.5°	14.1	14.7	14.9	14.5	14.1
45°	12.0	12.2	12.7	12.2	12.0
47.5°	10.6	10.6	10.8	10.6	10.4
50°	9.6	9.6	9.6	9.6	9.6
52.5°	8.8	8.8	8.6	8.8	8.8
55°	8.2	8.0	8.0	8.0	8.2
57.5°	7.8	7.6	7.3	7.6	7.8
60°	7.3	6.9	6.7	6.9	7.3
62.5°	6.9	6.5	6.3	6.5	6.9
65°	6.7	6.1	5.7	6.1	6.7
67.5°	6.5	5.7	5.3	5.7	6.7
70°	6.5	5.3	4.7	5.5	6.5
72.5°	6.3	5.1	4.3	5.1	6.3
75°	6.3	4.7	3.9	4.7	6.3
77.5°	5.9	4.3	3.3	4.3	5.9
80°	5.3	3.9	2.7	3.9	5.1
82.5°	3.9	3.3	2.0	3.3	3.9
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)