

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: P1319398

Luminaire Tested: P3SQAS02R20B2750DE010 E3SQPHL1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319398
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R20B2750DE010 E3SQPHL1MW_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 80CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

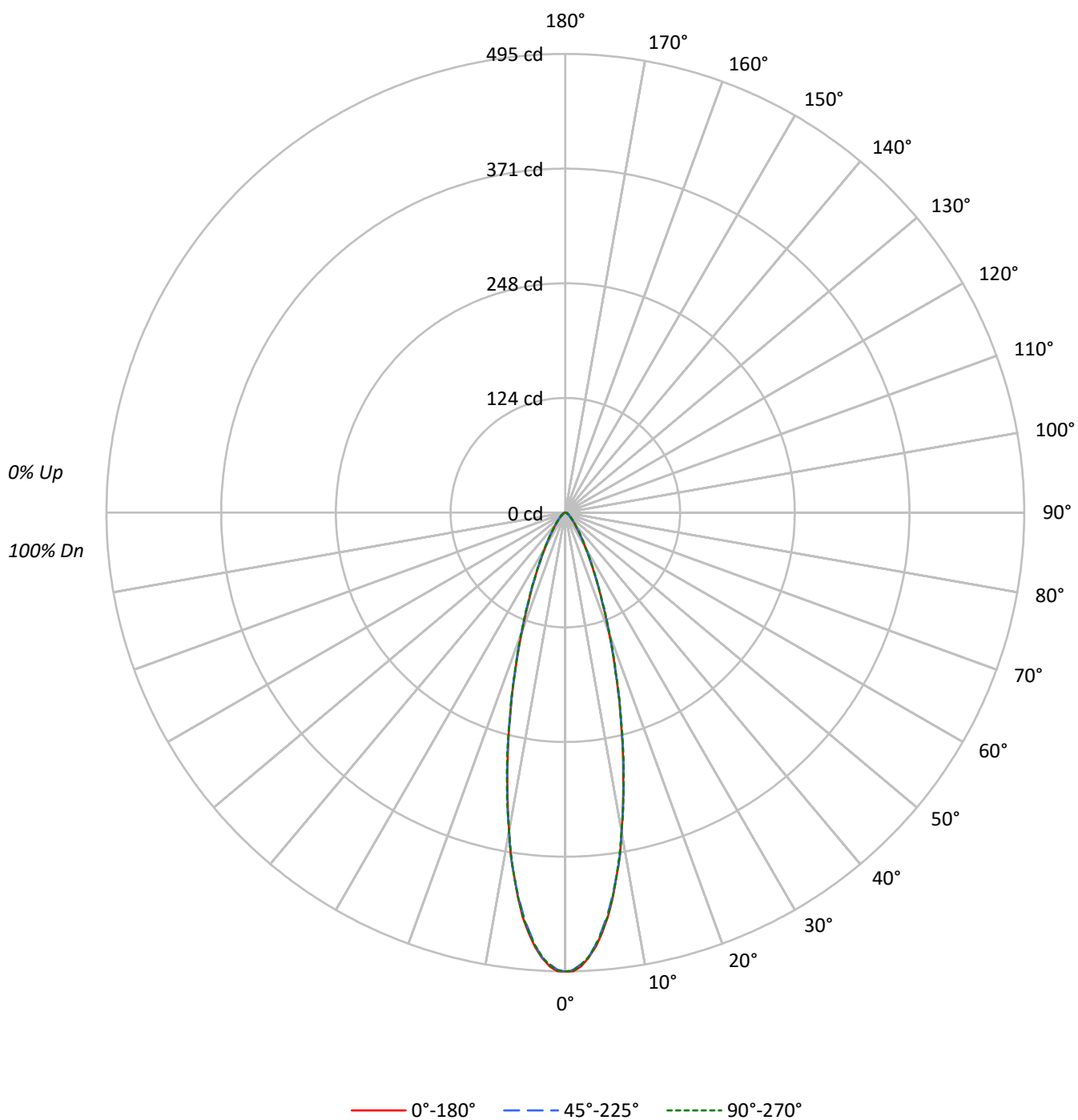
Lumens per Lamp: N/A
Luminaire Lumens: 174.0 lumens
Efficiency: N/A
Efficacy: 60.0 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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					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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94			
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89			
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	84			
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	79			
5	96	88	83	79	94	87	82	79	86	81	78	84	80	77	82	79	77	75			
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	72			
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	69			
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66			
9	82	74	69	65	81	73	68	65	72	68	65	71	67	65	71	67	64	63			
10	79	71	66	62	78	70	66	62	70	65	62	69	65	62	68	65	62	61			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	85267	85267	85267
5°	78661	78211	78488
10°	61050	61120	61120
15°	41258	41454	41454
20°	25054	25384	25494
25°	14708	14898	14860
30°	8571	8750	8790
35°	5235	5382	5382
40°	3417	3462	3507
45°	2387	2436	2484
50°	1742	1795	1795
55°	1381	1441	1441
60°	1206	1206	1274
65°	1060	1060	1141
70°	1007	1007	1007
75°	865	865	865
80°	694	694	893
85°	395	395	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 2484 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.9	22.9
10°-20°	63.9	36.7
20°-30°	37.0	21.3
30°-40°	16.6	9.5
40°-50°	7.9	4.5
50°-60°	4.3	2.5
60°-70°	2.6	1.5
70°-80°	1.4	0.8
80°-90°	0.3	0.2
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°	140.9	81.0
0°-40°	157.5	90.5
0°-60°	169.7	97.5
0°-90°	174.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	174.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	495	495	495	495	495	
5°	455	454	452	453	454	40
15°	231	231	232	231	232	64
25°	77	77	78	78	78	37
35°	25	25	26	26	26	16
45°	10	10	10	10	10	8
55°	5	5	5	5	5	4
65°	3	3	3	3	3	3
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	495.1	495.1	495.1	495.1	495.1
1°	494.9	493.6	493.2	492.7	494.0
2°	489.9	488.4	487.5	488.0	488.2
3°	481.0	480.2	480.2	479.5	480.0
4°	469.6	467.8	467.8	468.0	468.0
5°	455.0	453.5	452.4	453.3	454.0
6°	438.8	436.8	436.0	436.2	437.7
7°	418.9	416.3	416.7	417.8	417.8
8°	396.3	396.1	396.5	396.1	396.5
9°	375.5	372.5	375.1	372.9	374.0
10°	349.1	348.9	349.5	350.2	349.5
12.5°	288.8	289.9	290.4	289.5	291.4
15°	231.4	231.4	232.5	231.4	232.5
17.5°	180.1	179.9	180.7	179.9	181.2
20°	136.7	138.2	138.5	138.5	139.1
22.5°	103.1	103.1	104.0	104.2	103.8
25°	77.4	77.4	78.4	77.8	78.2
27.5°	57.2	57.6	58.5	58.9	58.9
30°	43.1	43.3	44.0	44.2	44.2
32.5°	32.5	32.9	33.4	33.6	33.8
35°	24.9	25.1	25.6	25.8	25.6
37.5°	19.1	19.3	19.7	19.9	19.9
40°	15.2	15.2	15.4	15.6	15.6
42.5°	11.9	12.1	12.1	12.4	12.4
45°	9.8	9.8	10.0	10.0	10.2
47.5°	7.8	7.8	8.0	8.2	8.2
50°	6.5	6.5	6.7	6.7	6.7
52.5°	5.4	5.4	5.6	5.6	5.6
55°	4.6	4.6	4.8	4.8	4.8
57.5°	3.9	3.9	4.1	4.1	4.1
60°	3.5	3.5	3.5	3.5	3.7
62.5°	3.0	3.0	3.0	3.0	3.0
65°	2.6	2.6	2.6	2.6	2.8
67.5°	2.2	2.2	2.2	2.2	2.4
70°	2.0	2.0	2.0	2.0	2.0
72.5°	1.5	1.5	1.5	1.7	1.7
75°	1.3	1.3	1.3	1.3	1.3
77.5°	1.1	1.1	1.1	1.1	1.1
80°	0.7	0.7	0.7	0.9	0.9
82.5°	0.4	0.4	0.4	0.4	0.4
85°	0.2	0.2	0.2	0.2	0.4
87.5°	0.0	0.0	0.0	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)