

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: P1319389

Luminaire Tested: P3SQAS02R20B2750DE010 E3SQPHL1MMS_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319389
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 E3SQPHL1MMS_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , E3SQPHL1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

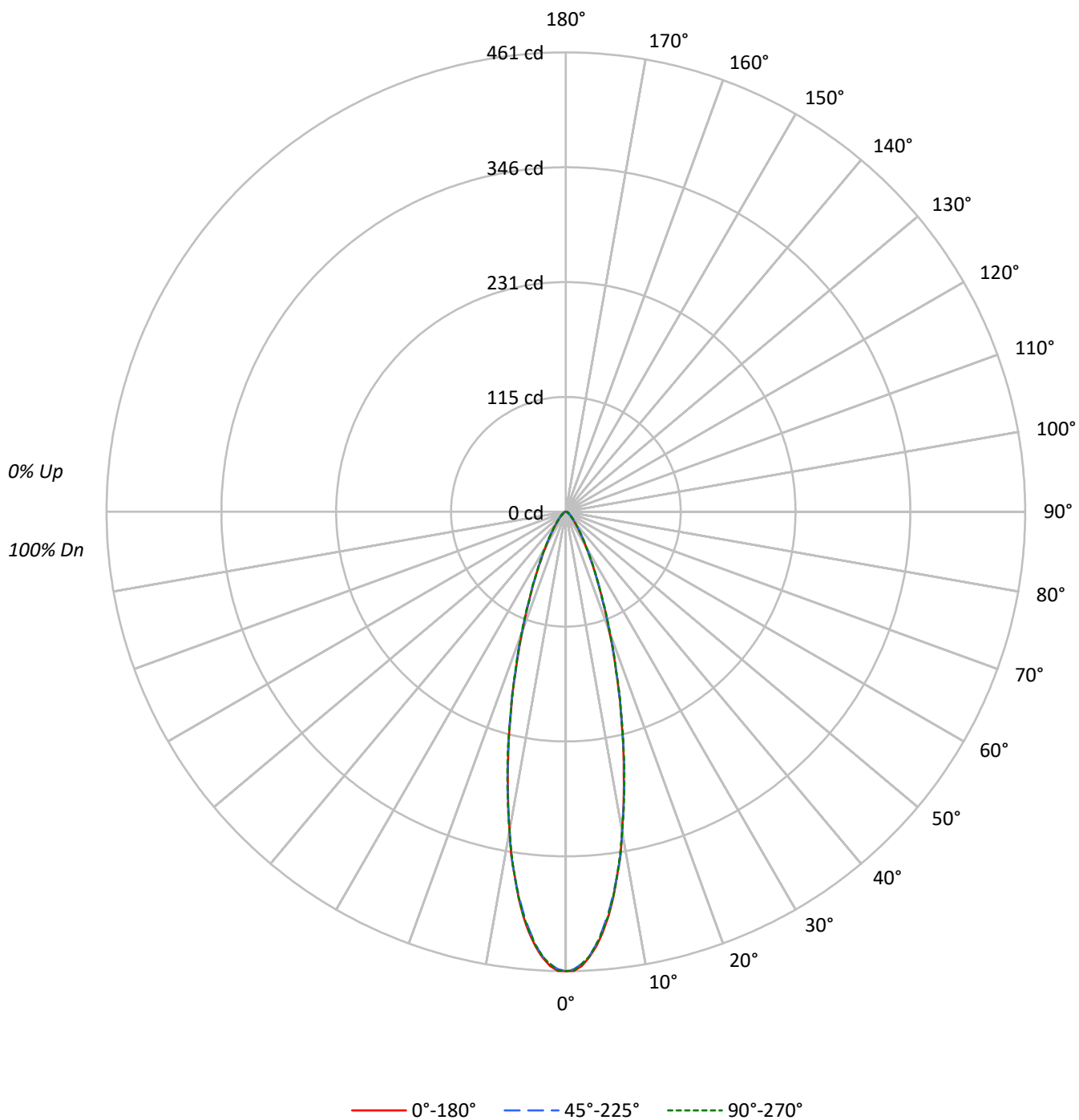
Lumens per Lamp: N/A
Luminaire Lumens: 162.0 lumens
Efficiency: N/A
Efficacy: 55.8 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	79395	79395	79395
5°	73249	72817	73077
10°	56836	56906	56906
15°	38423	38602	38602
20°	23331	23624	23734
25°	13682	13872	13834
30°	7975	8153	8193
35°	4878	5004	5004
40°	3170	3215	3260
45°	2216	2265	2314
50°	1634	1688	1688
55°	1261	1321	1321
60°	1102	1102	1171
65°	978	978	1060
70°	906	906	906
75°	799	799	799
80°	595	595	793
85°	395	395	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 2314 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.2	23.0
10°-20°	59.5	36.8
20°-30°	34.5	21.3
30°-40°	15.5	9.5
40°-50°	7.3	4.5
50°-60°	4.0	2.5
60°-70°	2.4	1.5
70°-80°	1.3	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°	131.2	81.0
0°-40°	146.6	90.5
0°-60°	158.0	97.5
0°-90°	162.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	162.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	461	461	461	461	461	
5°	424	422	421	422	423	37
15°	216	216	216	216	216	59
25°	72	72	73	72	73	34
35°	23	23	24	24	24	15
45°	9	9	9	9	10	7
55°	4	4	4	4	4	4
65°	2	2	2	2	3	2
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°	461.0	461.0	461.0	461.0	461.0
1°	460.8	459.6	459.2	458.8	460.0
2°	456.1	454.7	453.9	454.3	454.5
3°	447.9	447.1	447.1	446.5	446.9
4°	437.2	435.6	435.6	435.8	435.8
5°	423.7	422.2	421.2	422.0	422.7
6°	408.5	406.7	405.9	406.1	407.5
7°	390.0	387.5	388.0	389.0	389.0
8°	369.0	368.8	369.2	368.8	369.2
9°	349.6	346.8	349.2	347.2	348.2
10°	325.0	324.8	325.4	326.0	325.4
12.5°	268.9	269.9	270.3	269.5	271.3
15°	215.5	215.5	216.5	215.5	216.5
17.5°	167.6	167.4	168.3	167.4	168.7
20°	127.3	128.7	128.9	128.9	129.5
22.5°	96.0	96.0	96.8	97.0	96.6
25°	72.0	72.0	73.0	72.4	72.8
27.5°	53.3	53.7	54.5	54.9	54.9
30°	40.1	40.3	41.0	41.2	41.2
32.5°	30.3	30.7	31.1	31.3	31.5
35°	23.2	23.4	23.8	24.0	23.8
37.5°	17.8	18.0	18.4	18.6	18.6
40°	14.1	14.1	14.3	14.5	14.5
42.5°	11.1	11.3	11.3	11.5	11.5
45°	9.1	9.1	9.3	9.3	9.5
47.5°	7.3	7.3	7.5	7.7	7.7
50°	6.1	6.1	6.3	6.3	6.3
52.5°	5.0	5.0	5.2	5.2	5.2
55°	4.2	4.2	4.4	4.4	4.4
57.5°	3.6	3.6	3.8	3.8	3.8
60°	3.2	3.2	3.2	3.2	3.4
62.5°	2.8	2.8	2.8	2.8	2.8
65°	2.4	2.4	2.4	2.4	2.6
67.5°	2.0	2.0	2.0	2.0	2.2
70°	1.8	1.8	1.8	1.8	1.8
72.5°	1.4	1.4	1.4	1.6	1.6
75°	1.2	1.2	1.2	1.2	1.2
77.5°	1.0	1.0	1.0	1.0	1.0
80°	0.6	0.6	0.6	0.8	0.8
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)