

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: P1317362

Luminaire Tested: P3SQAS20R159830D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317362
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R159830D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 98CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

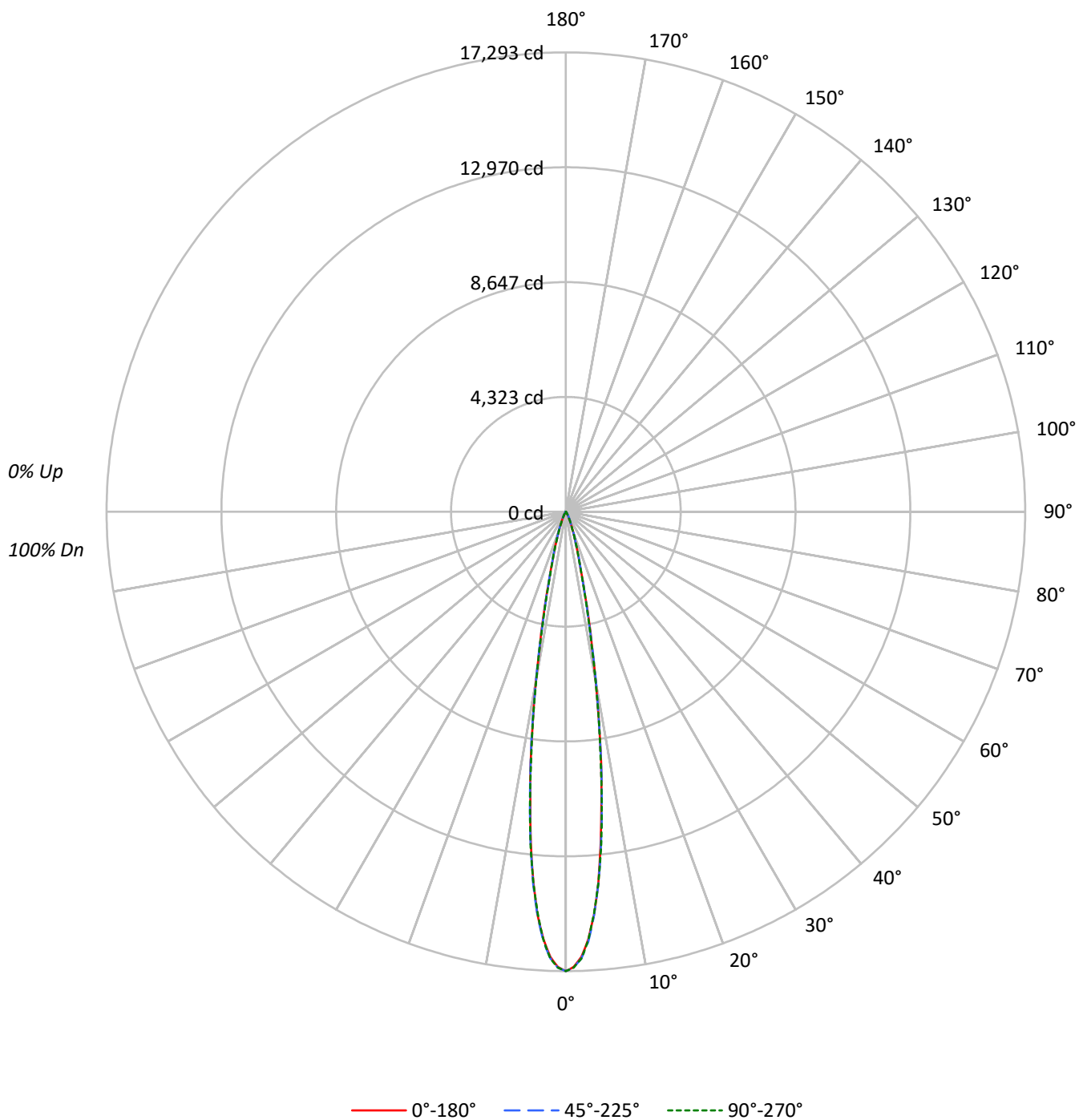
Lumens per Lamp: N/A
Luminaire Lumens: 1930.0 lumens
Efficiency: N/A
Efficacy: 70.4 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91
6	103	97	94	92	102	97	94	91	96	93	91	94	92	90	93	91	90
7	101	95	92	90	100	95	92	89	94	91	89	93	90	88	92	90	88
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	90	88	87
9	97	91	88	86	96	91	88	86	90	88	86	90	87	85	89	87	85
10	95	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	84

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2978194	2978194	2978194
5°	2424805	2432723	2427968
10°	1131120	1141263	1126853
15°	355187	358183	356008
20°	140737	146327	136247
25°	56856	68752	54823
30°	22770	31262	21557
35°	6749	13792	6412
40°	2068	5148	1709
45°	365	1120	365
50°	0	402	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1120 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1082.7	56.1
10°-20°	647.5	33.6
20°-30°	163.3	8.5
30°-40°	33.3	1.7
40°-50°	3.1	0.2
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	1893.5	98.1
0°-40°	1926.9	99.8
0°-60°	1930.0	100.0
0°-90°	1930.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1930.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	17293	17293	17293	17293	17293	
5°	14026	14000	14072	14037	14044	1079
15°	1992	2009	2009	1980	1997	648
25°	299	327	362	321	288	154
35°	32	43	66	41	30	26
45°	2	3	5	3	2	2
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	17292.7	17292.7	17292.7	17292.7	17292.7
1°	17137.0	17195.0	17164.5	17188.9	17161.4
2°	16766.1	16843.9	16819.5	16811.9	16833.2
3°	16112.7	16202.8	16199.7	16176.8	16140.2
4°	15221.2	15184.6	15241.1	15234.9	15172.4
5°	14025.9	14000.0	14071.7	14036.6	14044.2
6°	12563.5	12676.5	12652.0	12655.1	12684.1
7°	10992.7	11053.7	11105.6	11148.4	11088.8
8°	9550.1	9534.8	9539.4	9588.2	9423.4
9°	7935.0	8029.6	7968.6	7870.9	7933.5
10°	6468.0	6526.0	6526.0	6440.5	6443.6
11°	5156.7	5204.0	5170.4	5191.8	5057.5
12°	4156.8	4039.2	4011.8	4033.1	4031.6
13°	3173.7	3181.3	3173.7	3172.2	3156.9
14°	2488.3	2528.0	2511.2	2470.0	2451.6
15°	1992.1	2008.9	2008.9	1979.9	1996.7
17.5°	1196.8	1216.7	1221.2	1201.4	1201.4
20°	767.9	777.0	798.4	769.4	743.4
22.5°	473.2	493.1	529.7	487.0	465.6
25°	299.2	326.7	361.8	320.6	288.5
27.5°	187.8	210.7	241.2	201.5	181.7
30°	114.5	129.8	157.2	126.7	108.4
32.5°	64.1	76.3	99.2	73.3	61.1
35°	32.1	42.7	65.6	41.2	30.5
37.5°	18.3	22.9	41.2	19.8	16.8
40°	9.2	12.2	22.9	12.2	7.6
42.5°	3.1	6.1	9.2	6.1	3.1
45°	1.5	3.1	4.6	3.1	1.5
47.5°	0.0	0.0	1.5	0.0	0.0
50°	0.0	0.0	1.5	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)