

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: P1317364

Luminaire Tested: P3SQAS20R159830D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317364
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R159830D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

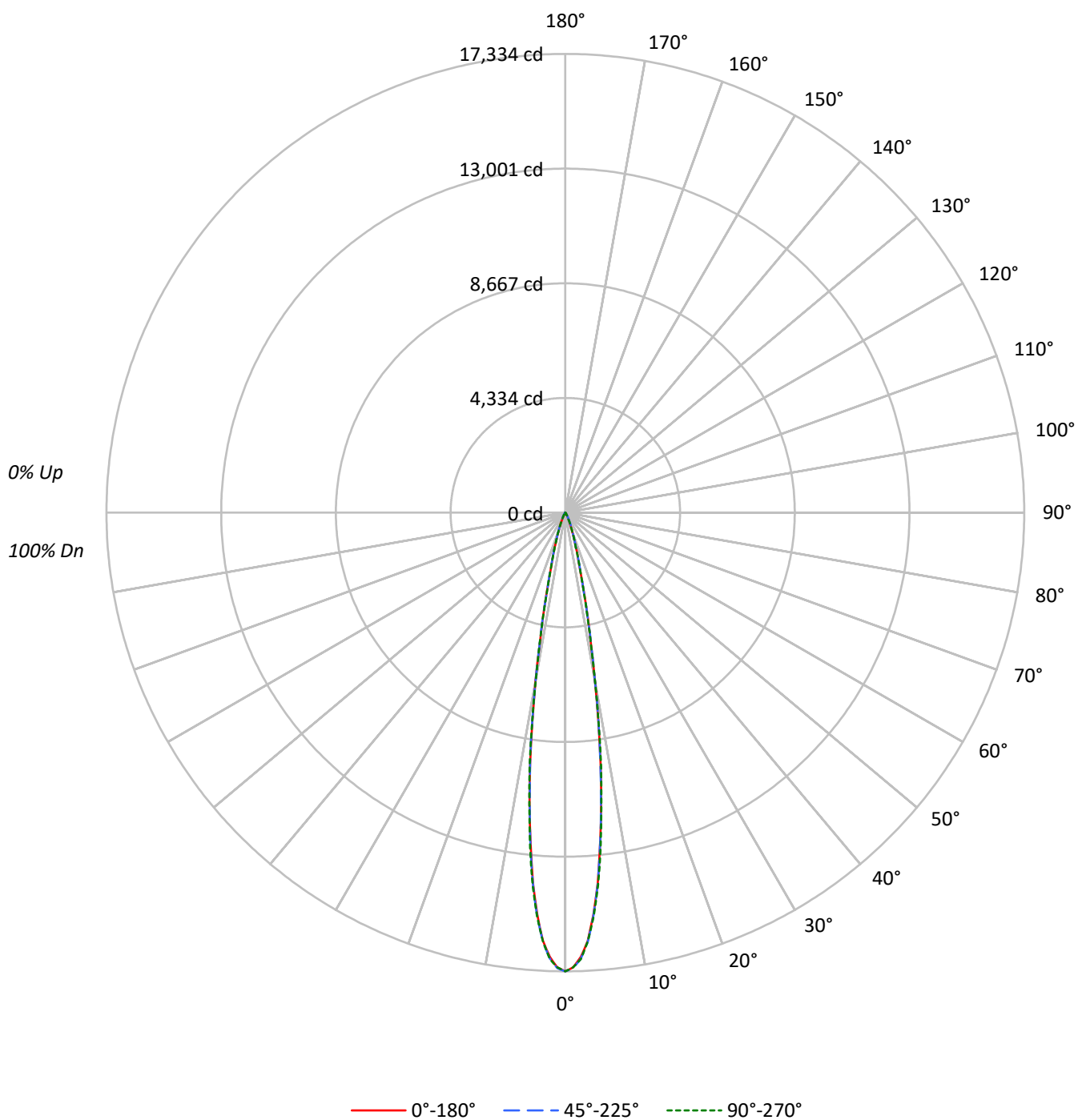
Lumens per Lamp: N/A
Luminaire Lumens: 1946.0 lumens
Efficiency: N/A
Efficacy: 71.0 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	116	114	112	111	113	112	110	109	108	107	105	104	103	102	101	100	99	98	98	98
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	96	96	96
3	110	106	103	100	108	104	102	99	102	100	98	100	98	96	98	96	95	94	94	94
4	107	102	99	97	106	101	98	96	100	97	95	98	96	94	96	94	93	92	92	92
5	105	100	96	94	103	99	96	93	97	95	93	96	94	92	95	93	91	90	90	90
6	102	97	94	91	101	97	93	91	95	92	90	94	92	90	93	91	89	88	88	88
7	100	95	92	89	99	94	91	89	93	91	89	92	90	88	92	89	88	87	87	87
8	98	93	90	87	98	93	89	87	92	89	87	91	88	87	90	88	86	85	85	85
9	97	91	88	86	96	91	88	85	90	87	85	89	87	85	89	86	85	84	84	84
10	95	89	86	84	94	89	86	84	89	86	84	88	85	84	87	85	83	83	83	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2985393	2985393	2985393
5°	2427553	2436007	2444461
10°	1130543	1131610	1125472
15°	349803	362337	355526
20°	139454	147299	137768
25°	58357	68809	55450
30°	23705	31600	21875
35°	7716	14465	7064
40°	2743	5845	2743
45°	1120	1851	1120
50°	831	1232	831
55°	931	931	931
60°	1068	1068	1068
65°	611	611	611
70°	755	755	755
75°	998	998	998
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1851 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1085.0	55.8
10°-20°	648.7	33.3
20°-30°	165.1	8.5
30°-40°	35.9	1.8
40°-50°	5.8	0.3
50°-60°	2.8	0.1
60°-70°	1.7	0.1
70°-80°	1.0	0.1
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°	1898.9	97.6
0°-40°	1934.7	99.4
0°-60°	1943.3	99.9
0°-90°	1946.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1946.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	17334	17334	17334	17334	17334	
5°	14042	14062	14091	14026	14140	1083
15°	1962	2017	2032	2003	1994	646
25°	307	328	362	321	292	156
35°	37	47	69	46	34	29
45°	5	6	8	6	5	4
55°	3	3	3	3	3	3
65°	2	2	2	2	2	2
75°	2	2	2	2	2	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°	17334.5	17334.5	17334.5	17334.5	17334.5
1°	17183.2	17212.2	17216.8	17212.2	17187.8
2°	16796.6	16882.2	16863.9	16827.2	16879.2
3°	16199.2	16242.0	16235.9	16239.0	16226.7
4°	15227.5	15302.3	15259.5	15291.6	15294.7
5°	14041.8	14061.6	14090.7	14026.5	14139.6
6°	12582.6	12709.4	12597.9	12707.9	12752.2
7°	11099.0	11172.3	11030.2	11106.6	11152.4
8°	9581.7	9453.4	9531.3	9532.8	9684.1
9°	7943.8	7969.7	8035.4	7960.6	8026.3
10°	6464.7	6524.3	6470.8	6444.9	6435.7
11°	5104.8	5172.1	5167.5	5175.1	5124.7
12°	4107.1	4072.0	4094.9	4020.0	4053.6
13°	3196.5	3198.0	3179.6	3149.1	3121.6
14°	2504.3	2489.0	2531.8	2493.6	2458.5
15°	1961.9	2016.9	2032.2	2003.1	1994.0
17.5°	1210.1	1211.7	1233.0	1205.5	1202.5
20°	760.9	779.2	803.7	774.7	751.7
22.5°	481.3	498.1	536.3	499.6	467.5
25°	307.1	328.5	362.1	320.9	291.8
27.5°	192.5	212.4	244.5	206.3	184.9
30°	119.2	132.9	158.9	129.9	110.0
32.5°	68.8	82.5	103.9	77.9	65.7
35°	36.7	47.4	68.8	45.8	33.6
37.5°	21.4	27.5	44.3	24.4	19.9
40°	12.2	16.8	26.0	15.3	12.2
42.5°	7.6	10.7	12.2	9.2	6.1
45°	4.6	6.1	7.6	6.1	4.6
47.5°	3.1	4.6	6.1	3.1	3.1
50°	3.1	3.1	4.6	3.1	3.1
52.5°	3.1	3.1	3.1	3.1	3.1
55°	3.1	3.1	3.1	3.1	3.1
57.5°	3.1	3.1	3.1	3.1	3.1
60°	3.1	3.1	3.1	3.1	3.1
62.5°	1.5	1.5	1.5	1.5	1.5
65°	1.5	1.5	1.5	1.5	1.5
67.5°	1.5	1.5	1.5	1.5	1.5
70°	1.5	1.5	1.5	1.5	1.5
72.5°	1.5	1.5	1.5	1.5	1.5
75°	1.5	1.5	1.5	1.5	1.5
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)