

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: P1313682

Luminaire Tested: P3SQAS20R209730D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313682
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R209730D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

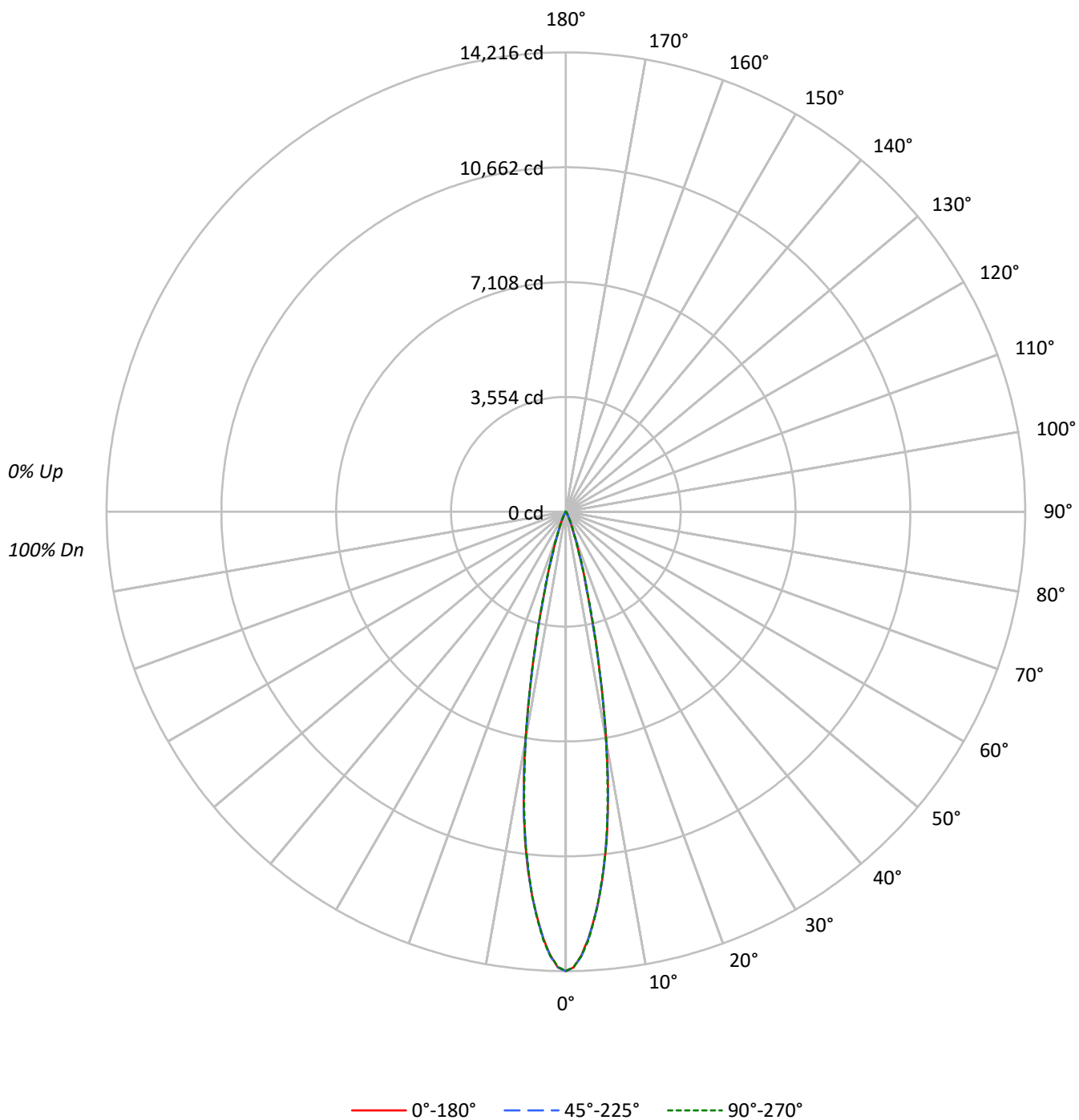
Lumens per Lamp: N/A
Luminaire Lumens: 1959.0 lumens
Efficiency: N/A
Efficacy: 68.0 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	110	113	111	110	109	108	106	105	104	103	102	101	100	99	98	98	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	95	95	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	93	93	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	91	91	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	89	89	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	87	87	87
7	100	94	90	88	99	94	90	88	92	90	87	91	89	87	91	88	87	86	86	86
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	84	84	84
9	96	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	83	83	83	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	81	81	81

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2448248	2448248	2448248
5°	2063519	2064297	2063242
10°	1257453	1251630	1254550
15°	442928	444818	458600
20°	139179	143065	140004
25°	52124	57027	53569
30°	20205	28637	21100
35°	7653	12741	8284
40°	4092	5463	4092
45°	1486	2582	1851
50°	804	1206	804
55°	901	901	901
60°	517	517	517
65°	611	611	611
70°	755	755	755
75°	0	0	998
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2582 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	986.8	50.4
10°-20°	773.8	39.5
20°-30°	151.9	7.8
30°-40°	34.1	1.7
40°-50°	7.8	0.4
50°-60°	2.4	0.1
60°-70°	1.5	0.1
70°-80°	0.6	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°	1912.5	97.6
0°-40°	1946.6	99.4
0°-60°	1956.8	99.9
0°-90°	1959.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1959.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14216	14216	14216	14216	14216	
5°	11936	11947	11941	11982	11934	989
15°	2484	2495	2495	2549	2572	772
25°	274	292	300	296	282	145
35°	36	44	61	44	39	27
45°	6	9	11	9	8	6
55°	3	3	3	3	3	3
65°	2	2	2	2	2	1
75°	0	0	0	0	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°	14215.6	14215.6	14215.6	14215.6	14215.6
1°	14100.5	14070.1	14105.0	14077.7	14083.8
2°	13735.2	13718.5	13764.0	13735.2	13750.3
3°	13227.4	13206.2	13239.5	13241.1	13283.5
4°	12621.1	12580.2	12630.2	12631.8	12639.3
5°	11936.1	11946.7	11940.6	11981.5	11934.5
6°	11166.1	11200.9	11155.5	11178.2	11113.0
7°	10305.2	10261.2	10238.5	10246.1	10291.5
8°	9354.8	9324.5	9357.9	9310.9	9279.0
9°	8298.4	8245.3	8281.7	8236.3	8190.8
10°	7190.4	7166.2	7157.1	7105.6	7173.8
11°	6079.4	6006.7	6043.1	6017.3	6091.6
12°	5039.7	5045.7	4974.5	4997.2	5006.3
13°	4101.5	4004.5	4016.6	4078.7	4089.3
14°	3181.4	3195.1	3199.6	3243.6	3269.3
15°	2484.2	2494.8	2494.8	2549.4	2572.1
17.5°	1332.3	1332.3	1361.1	1367.2	1370.2
20°	759.4	763.9	780.6	779.1	763.9
22.5°	454.7	463.8	472.9	463.8	454.7
25°	274.3	292.5	300.1	295.6	281.9
27.5°	163.7	183.4	204.6	187.9	162.2
30°	101.6	112.2	144.0	115.2	106.1
32.5°	56.1	72.8	98.5	75.8	57.6
35°	36.4	44.0	60.6	44.0	39.4
37.5°	25.8	30.3	37.9	31.8	27.3
40°	18.2	21.2	24.3	22.7	18.2
42.5°	12.1	15.2	16.7	15.2	12.1
45°	6.1	9.1	10.6	9.1	7.6
47.5°	3.0	4.5	7.6	4.5	3.0
50°	3.0	3.0	4.5	3.0	3.0
52.5°	3.0	3.0	3.0	3.0	3.0
55°	3.0	3.0	3.0	3.0	3.0
57.5°	3.0	3.0	1.5	3.0	1.5
60°	1.5	1.5	1.5	1.5	1.5
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°	0.0	0.0	0.0	0.0	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)