

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: P1316794

Luminaire Tested: P3SQAS05R209830DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316794
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: P3SQAS05R209830DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

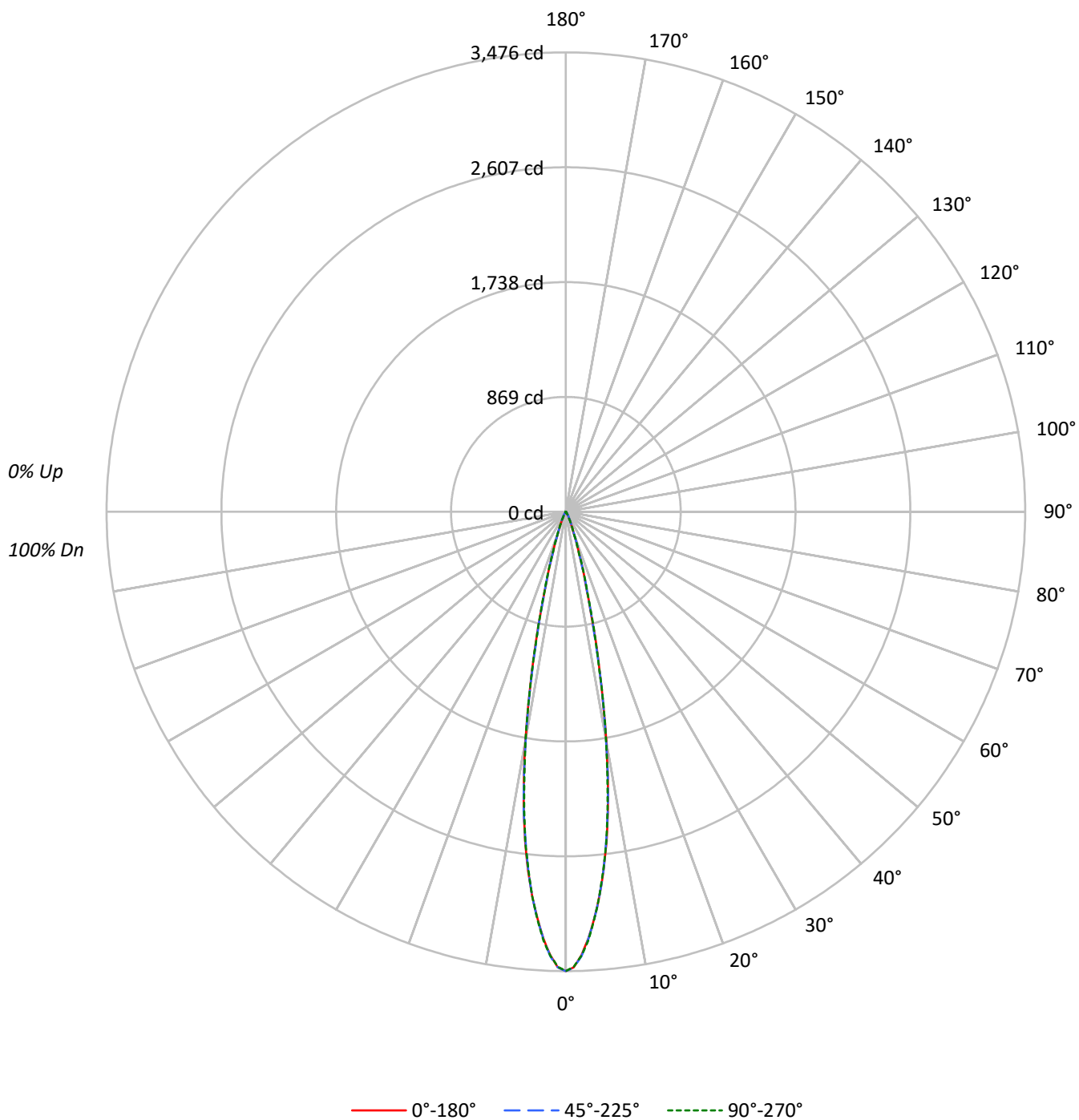
Lumens per Lamp: N/A
Luminaire Lumens: 479.0 lumens
Efficiency: N/A
Efficacy: 66.5 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	116	114	112	110	113	111	110	109	108	106	105		104	103	102		101
2	112	109	106	104	110	107	105	103	104	102	101		102	100	99		99
3	109	105	102	100	108	104	101	99	102	99	97		99	97	96		97
4	107	102	98	96	105	101	98	95	99	96	94		97	95	93		96
5	104	99	95	93	103	98	95	92	97	94	92		95	93	91		94
6	102	96	93	90	101	96	92	90	94	92	89		93	91	89		92
7	100	94	90	88	99	94	90	88	92	90	87		91	89	87		91
8	97	92	88	86	97	91	88	86	91	88	86		90	87	85		89
9	96	90	87	84	95	90	86	84	89	86	84		88	86	84		87
10	94	88	85	83	93	88	85	82	87	84	82		87	84	82		86

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	598629	598629	598629
5°	504552	504742	504483
10°	307456	306039	306756
15°	108298	108762	112132
20°	34034	34987	34236
25°	12751	13948	13093
30°	4932	7000	5151
35°	1871	3112	2018
40°	989	1326	989
45°	365	633	463
50°	188	295	188
55°	210	210	210
60°	138	138	138
65°	163	163	163
70°	201	201	201
75°	0	0	266
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 633 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.3	50.4
10°-20°	189.2	39.5
20°-30°	37.2	7.8
30°-40°	8.3	1.7
40°-50°	1.9	0.4
50°-60°	0.6	0.1
60°-70°	0.4	0.1
70°-80°	0.2	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°	467.6	97.6
0°-40°	476.0	99.4
0°-60°	478.4	99.9
0°-90°	479.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	479.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3476	3476	3476	3476	3476	
5°	2918	2921	2920	2930	2918	242
15°	607	610	610	623	629	189
25°	67	72	73	72	69	35
35°	9	11	15	11	10	7
45°	2	2	3	2	2	1
55°	1	1	1	1	1	1
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3475.9	3475.9	3475.9	3475.9	3475.9
1°	3447.7	3440.3	3448.8	3442.2	3443.7
2°	3358.4	3354.3	3365.5	3358.4	3362.1
3°	3234.3	3229.1	3237.2	3237.6	3248.0
4°	3086.0	3076.0	3088.3	3088.6	3090.5
5°	2918.5	2921.1	2919.6	2929.6	2918.1
6°	2730.2	2738.8	2727.7	2733.2	2717.3
7°	2519.7	2509.0	2503.4	2505.3	2516.4
8°	2287.4	2280.0	2288.1	2276.6	2268.8
9°	2029.1	2016.1	2025.0	2013.9	2002.7
10°	1758.1	1752.2	1750.0	1737.4	1754.1
11°	1486.5	1468.7	1477.6	1471.3	1489.5
12°	1232.3	1233.7	1216.3	1221.9	1224.1
13°	1002.9	979.1	982.1	997.3	999.9
14°	777.9	781.2	782.3	793.1	799.4
15°	607.4	610.0	610.0	623.4	628.9
17.5°	325.8	325.8	332.8	334.3	335.0
20°	185.7	186.8	190.9	190.5	186.8
22.5°	111.2	113.4	115.6	113.4	111.2
25°	67.1	71.5	73.4	72.3	68.9
27.5°	40.0	44.8	50.0	46.0	39.7
30°	24.8	27.4	35.2	28.2	25.9
32.5°	13.7	17.8	24.1	18.5	14.1
35°	8.9	10.7	14.8	10.7	9.6
37.5°	6.3	7.4	9.3	7.8	6.7
40°	4.4	5.2	5.9	5.6	4.4
42.5°	3.0	3.7	4.1	3.7	3.0
45°	1.5	2.2	2.6	2.2	1.9
47.5°	0.7	1.1	1.9	1.1	0.7
50°	0.7	0.7	1.1	0.7	0.7
52.5°	0.7	0.7	0.7	0.7	0.7
55°	0.7	0.7	0.7	0.7	0.7
57.5°	0.7	0.7	0.4	0.7	0.4
60°	0.4	0.4	0.4	0.4	0.4
62.5°	0.4	0.4	0.4	0.4	0.4
65°	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.4	0.4	0.4
75°	0.0	0.0	0.0	0.0	0.4
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)