

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: P1306043

Luminaire Tested: P3SQAS17R209024DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306043
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: P3SQAS17R209024DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2400K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

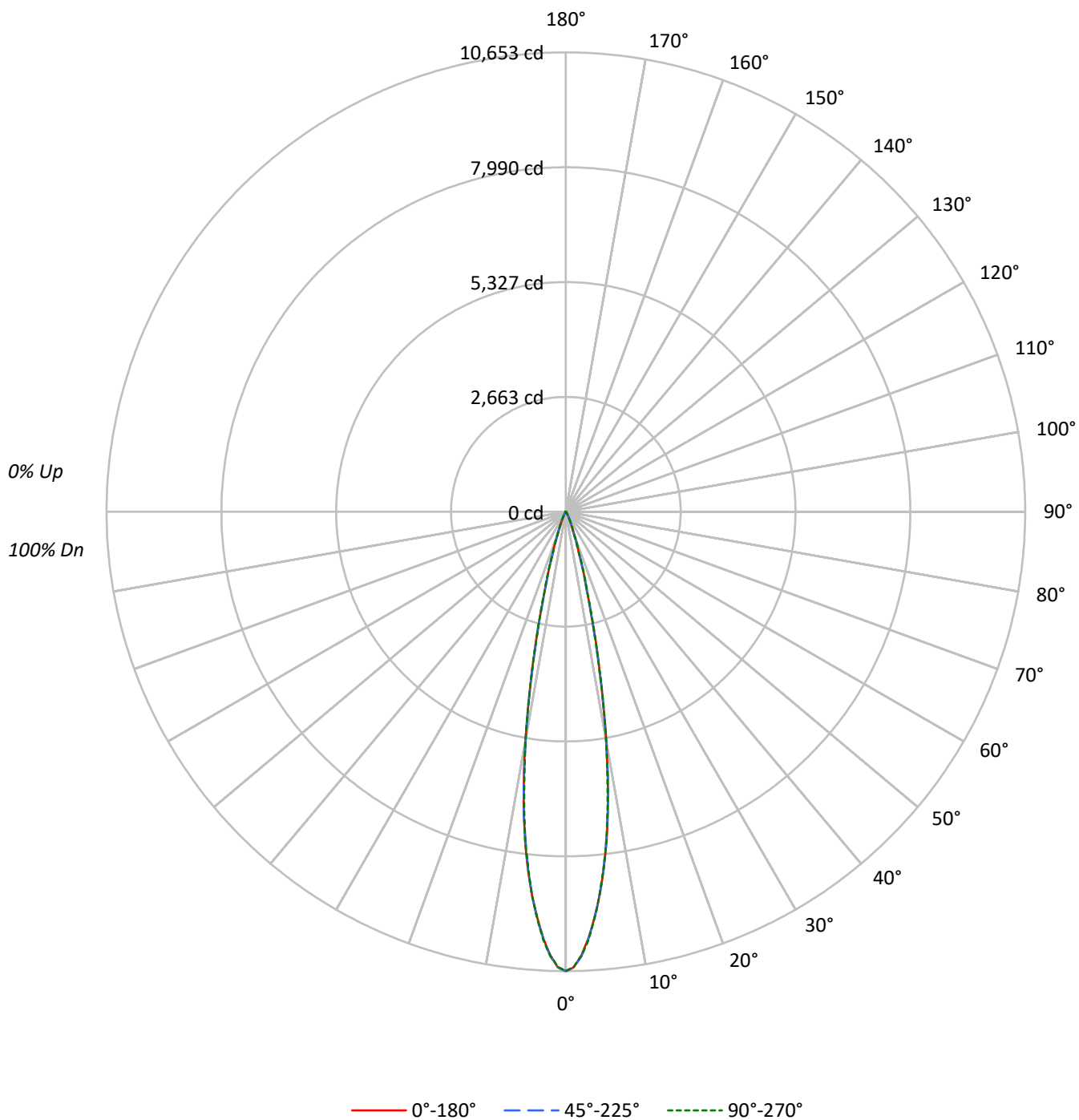
Lumens per Lamp: N/A
Luminaire Lumens: 1468.0 lumens
Efficiency: N/A
Efficacy: 69.2 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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		92	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		88
10	94	88	85	83	93	88	85	82	87	84	82		87	84	82		86

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1834636	1834636	1834636
5°	1546312	1546900	1546122
10°	942285	937913	940099
15°	331920	333328	343669
20°	104284	107198	104907
25°	39069	42737	40153
30°	15134	21458	15810
35°	5740	9545	6202
40°	3058	4092	3058
45°	1096	1948	1388
50°	616	911	616
55°	691	691	691
60°	379	379	379
65°	448	448	448
70°	554	554	554
75°	0	0	732
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1948 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	739.5	50.4
10°-20°	579.8	39.5
20°-30°	113.9	7.8
30°-40°	25.5	1.7
40°-50°	5.8	0.4
50°-60°	1.8	0.1
60°-70°	1.1	0.1
70°-80°	0.5	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°	1433.2	97.6
0°-40°	1458.7	99.4
0°-60°	1466.4	99.9
0°-90°	1468.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1468.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10653	10653	10653	10653	10653	
5°	8944	8952	8948	8978	8943	741
15°	1862	1870	1870	1910	1928	579
25°	206	219	225	222	211	108
35°	27	33	45	33	30	20
45°	4	7	8	7	6	4
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	0	0	0	0	1	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°	10652.7	10652.7	10652.7	10652.7	10652.7
1°	10566.3	10543.6	10569.8	10549.3	10553.9
2°	10292.6	10280.1	10314.2	10292.6	10304.0
3°	9912.1	9896.2	9921.2	9922.3	9954.1
4°	9457.8	9427.1	9464.6	9465.8	9471.4
5°	8944.4	8952.4	8947.8	8978.5	8943.3
6°	8367.4	8393.6	8359.5	8376.5	8327.7
7°	7722.3	7689.4	7672.3	7678.0	7712.1
8°	7010.2	6987.4	7012.4	6977.2	6953.4
9°	6218.5	6178.8	6206.0	6171.9	6137.9
10°	5388.2	5370.1	5363.2	5324.6	5375.7
11°	4555.7	4501.2	4528.4	4509.1	4564.8
12°	3776.5	3781.1	3727.7	3744.7	3751.5
13°	3073.5	3000.8	3009.9	3056.4	3064.4
14°	2384.0	2394.3	2397.7	2430.6	2449.9
15°	1861.6	1869.5	1869.5	1910.4	1927.5
17.5°	998.4	998.4	1019.9	1024.5	1026.8
20°	569.0	572.4	584.9	583.8	572.4
22.5°	340.7	347.6	354.4	347.6	340.7
25°	205.6	219.2	224.9	221.5	211.3
27.5°	122.7	137.4	153.3	140.8	121.5
30°	76.1	84.0	107.9	86.3	79.5
32.5°	42.0	54.5	73.8	56.8	43.2
35°	27.3	32.9	45.4	32.9	29.5
37.5°	19.3	22.7	28.4	23.9	20.4
40°	13.6	15.9	18.2	17.0	13.6
42.5°	9.1	11.4	12.5	11.4	9.1
45°	4.5	6.8	8.0	6.8	5.7
47.5°	2.3	3.4	5.7	3.4	2.3
50°	2.3	2.3	3.4	2.3	2.3
52.5°	2.3	2.3	2.3	2.3	2.3
55°	2.3	2.3	2.3	2.3	2.3
57.5°	2.3	2.3	1.1	2.3	1.1
60°	1.1	1.1	1.1	1.1	1.1
62.5°	1.1	1.1	1.1	1.1	1.1
65°	1.1	1.1	1.1	1.1	1.1
67.5°	1.1	1.1	1.1	1.1	1.1
70°	1.1	1.1	1.1	1.1	1.1
72.5°	1.1	1.1	1.1	1.1	1.1
75°	0.0	0.0	0.0	0.0	1.1
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)