

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: P1314722

Luminaire Tested: P3SQAS20R409735D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314722
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R409735D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

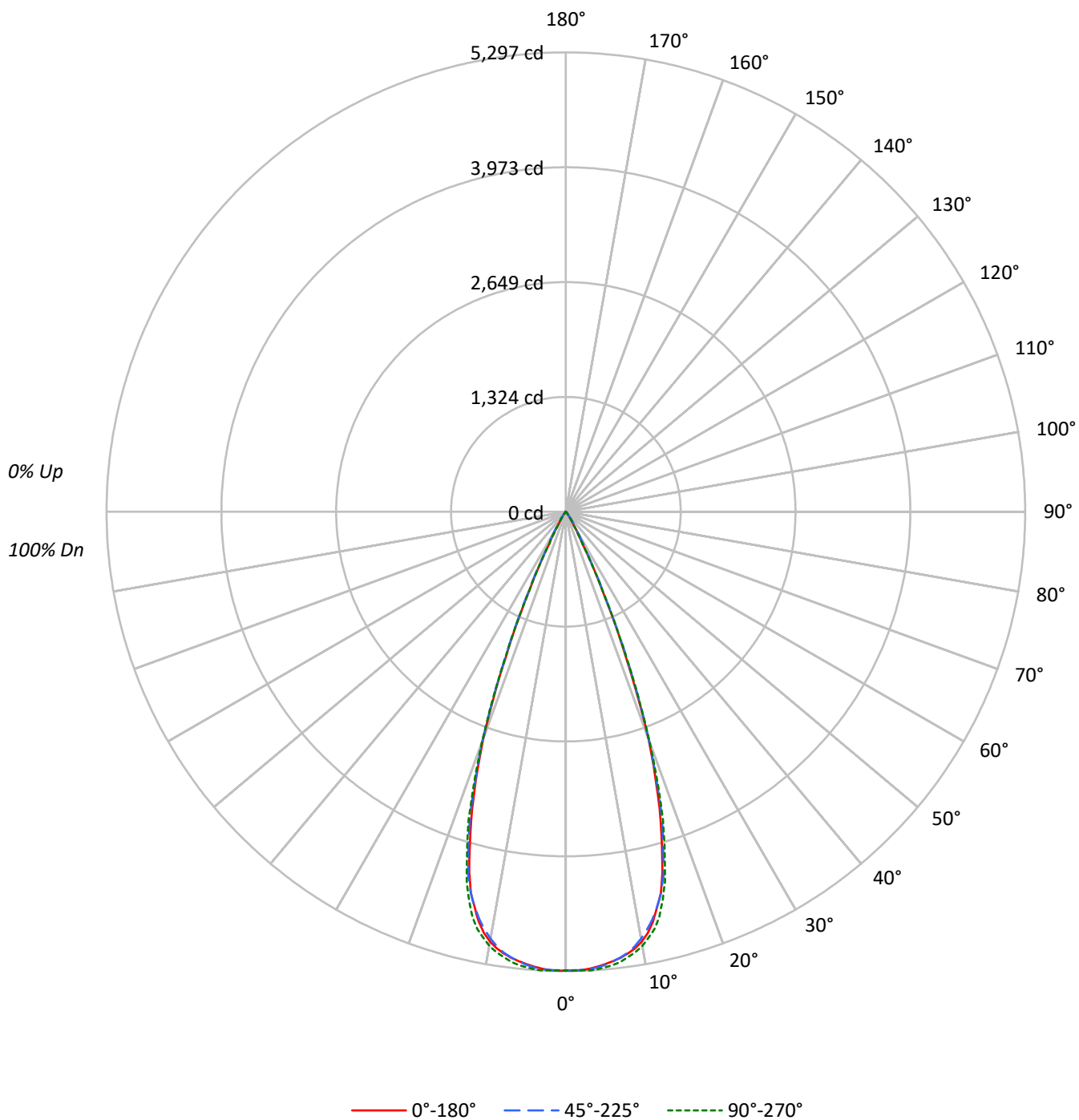
Lumens per Lamp: N/A
Luminaire Lumens: 2239.0 lumens
Efficiency: N/A
Efficacy: 77.7 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	112	110	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		96
3	107	102	98	95	105	100	97	94	98	95	93		96	93	91		93
4	103	97	93	90	101	96	92	89	94	91	88		92	89	87		91
5	99	93	89	85	98	92	88	85	91	87	84		89	86	84		88
6	96	89	85	82	95	89	84	81	87	84	81		86	83	80		85
7	93	86	81	78	92	85	81	78	84	80	78		83	80	77		82
8	90	83	78	75	89	82	78	75	81	77	75		80	77	74		80
9	87	80	75	72	86	79	75	72	79	75	72		78	74	72		77
10	84	77	73	70	84	77	73	70	76	72	70		75	72	69		75

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	911109	911109	911109
5°	905064	906430	911322
10°	880553	873943	888545
15°	767234	775097	787168
20°	511045	513648	518560
25°	185808	191490	186701
30°	39455	52918	39455
35°	13897	23505	13245
40°	4946	7442	4946
45°	1145	3069	1145
50°	831	1259	831
55°	931	931	931
60°	1068	1068	1068
65°	652	1263	652
70°	806	806	806
75°	1065	1065	1065
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3069 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	494.3	22.1
10°-20°	1152.0	51.5
20°-30°	518.5	23.2
30°-40°	59.0	2.6
40°-50°	8.4	0.4
50°-60°	2.8	0.1
60°-70°	2.4	0.1
70°-80°	1.5	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°	2164.8	96.7
0°-40°	2223.8	99.3
0°-60°	2235.1	99.8
0°-90°	2239.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2239.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5290	5290	5290	5290	5290	
5°	5235	5229	5243	5267	5271	494
15°	4303	4314	4347	4382	4415	1143
25°	978	984	1008	1008	982	506
35°	66	74	112	71	63	49
45°	5	8	13	8	5	6
55°	3	3	3	3	3	3
65°	2	3	3	3	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°	5290.3	5290.3	5290.3	5290.3	5290.3
1°	5293.4	5288.7	5287.1	5296.6	5288.7
2°	5288.7	5285.6	5287.1	5296.6	5290.3
3°	5274.6	5276.1	5280.8	5298.2	5296.6
4°	5257.2	5255.7	5265.1	5287.1	5287.1
5°	5235.2	5228.9	5243.1	5266.7	5271.4
6°	5210.0	5202.1	5213.1	5243.1	5254.1
7°	5181.7	5165.9	5175.4	5211.6	5225.7
8°	5143.9	5123.4	5134.4	5170.6	5181.7
9°	5096.6	5065.1	5074.6	5118.7	5140.7
10°	5035.2	4995.9	4997.4	5046.2	5080.9
11°	4948.6	4904.5	4906.1	4967.5	5003.7
12°	4833.7	4794.3	4802.2	4858.9	4917.1
13°	4677.8	4666.8	4676.2	4737.6	4791.2
14°	4526.7	4515.6	4533.0	4589.6	4614.8
15°	4303.1	4314.1	4347.2	4381.8	4414.9
17.5°	3594.6	3637.1	3676.4	3700.1	3728.4
20°	2788.4	2739.6	2802.6	2774.3	2829.4
22.5°	1799.6	1835.9	1851.6	1835.9	1842.2
25°	977.8	984.1	1007.7	1007.7	982.5
27.5°	415.7	448.7	478.6	467.6	415.7
30°	198.4	228.3	266.1	229.9	198.4
32.5°	111.8	132.3	171.6	129.1	108.6
35°	66.1	74.0	111.8	70.9	63.0
37.5°	39.4	40.9	61.4	42.5	37.8
40°	22.0	26.8	33.1	26.8	22.0
42.5°	11.0	15.7	20.5	15.7	11.0
45°	4.7	7.9	12.6	7.9	4.7
47.5°	4.7	4.7	7.9	4.7	4.7
50°	3.1	3.1	4.7	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°	3.1	3.1	3.1	3.1	3.1
65°	1.6	3.1	3.1	3.1	1.6
67.5°	1.6	1.6	1.6	1.6	1.6
70°	1.6	1.6	1.6	1.6	1.6
72.5°	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6
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)