

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: P1307578

Luminaire Tested: P3SQAS02R559030DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307578
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R559030DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

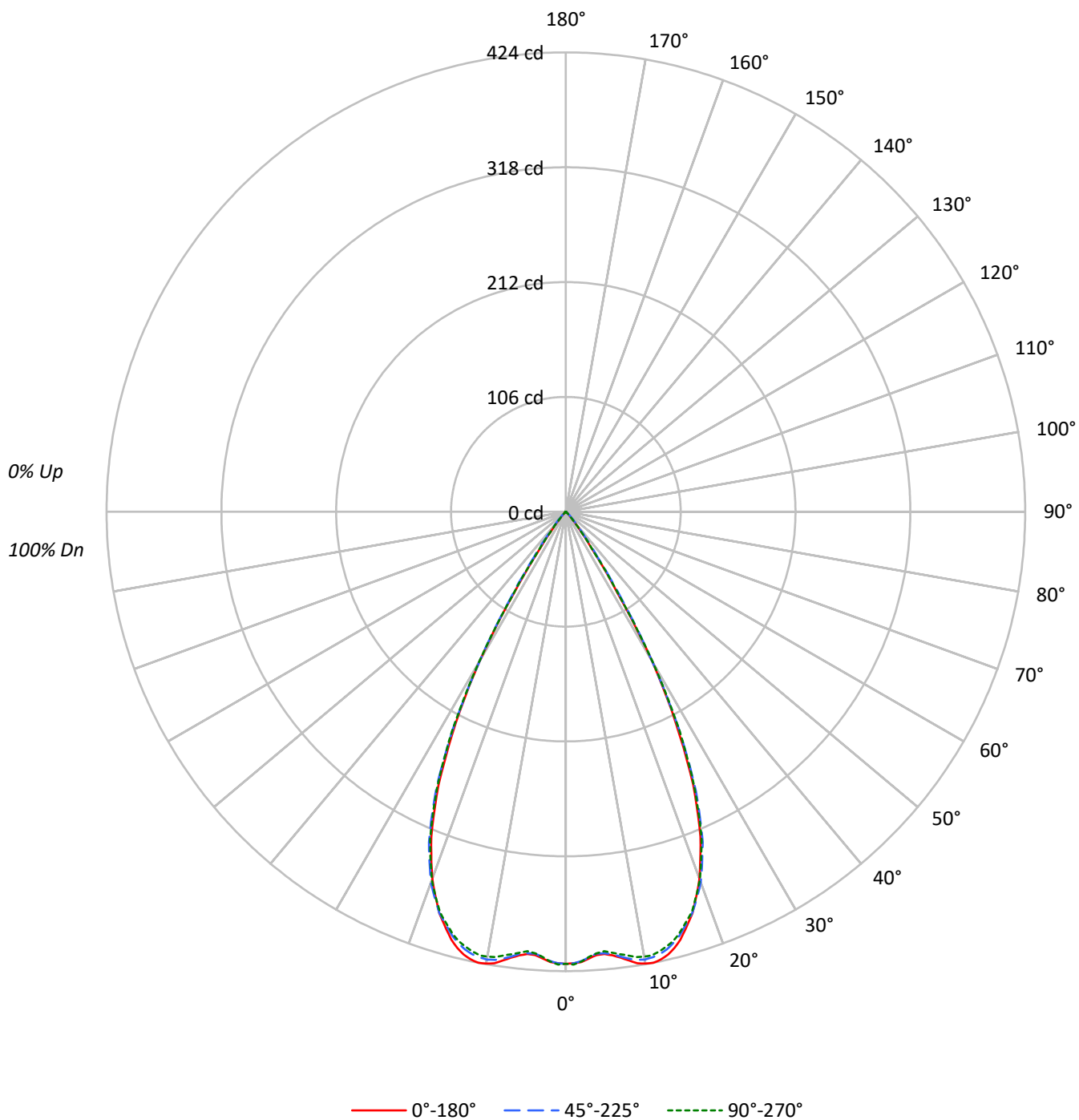
Lumens per Lamp: N/A
Luminaire Lumens: 319.9 lumens
Efficiency: N/A
Efficacy: 88.9 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	114	111	109	107	112	109	107	105	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	104	98	94	90	102	97	93	90	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86
5	95	88	82	79	94	87	82	78	85	81	78		83	80	77		82
6	91	83	78	74	90	82	77	74	81	76	73		80	76	73		78
7	87	79	73	70	86	78	73	69	77	72	69		76	72	69		75
8	83	75	69	66	82	74	69	66	73	69	65		72	68	65		71
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68
10	77	68	62	59	76	67	62	59	67	62	59		66	62	59		65

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	71869	71869	71869
5°	70829	70708	70380
10°	74044	73397	72925
15°	72888	72229	71925
20°	66089	66749	66272
25°	52846	53968	53454
30°	31699	31699	32077
35°	9167	10849	9461
40°	2630	3552	2630
45°	585	1364	585
50°	268	455	188
55°	210	210	210
60°	241	241	241
65°	204	204	204
70°	252	252	252
75°	133	133	133
80°	198	198	198
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1364 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.6	12.4
10°-20°	112.8	35.2
20°-30°	124.2	38.8
30°-40°	38.0	11.9
40°-50°	3.8	1.2
50°-60°	0.7	0.2
60°-70°	0.6	0.2
70°-80°	0.3	0.1
80°-90°	0.1	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°	276.6	86.5
0°-40°	314.6	98.3
0°-60°	319.0	99.7
0°-90°	319.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	319.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	417	417	417	417	417	
5°	410	410	409	408	407	40
15°	409	408	405	403	403	113
25°	278	281	284	287	281	123
35°	44	46	52	47	45	36
45°	2	4	6	4	2	3
55°	1	1	1	1	1	1
65°	0	0	0	0	0	1
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°	417.3	417.3	417.3	417.3	417.3
1°	416.8	417.0	416.8	416.3	418.0
2°	415.8	415.6	414.9	414.6	415.3
3°	412.7	412.7	411.7	411.2	411.4
4°	410.2	410.2	408.8	408.3	408.5
5°	409.7	409.7	409.0	407.8	407.1
6°	411.7	412.2	410.5	409.3	409.3
7°	414.6	414.9	413.6	411.9	411.4
8°	418.3	418.5	416.6	414.6	413.6
9°	421.9	421.4	418.7	416.8	416.1
10°	423.4	423.1	419.7	417.8	417.0
11°	424.1	422.9	419.0	417.3	417.0
12°	422.4	421.4	417.3	415.6	414.9
13°	419.5	418.0	414.6	412.9	411.9
14°	414.9	413.4	410.2	408.3	408.5
15°	408.8	408.0	405.1	403.4	403.4
17.5°	388.6	389.1	388.3	387.6	387.1
20°	360.6	362.5	364.2	363.3	361.6
22.5°	324.8	328.2	330.2	330.7	327.5
25°	278.1	280.8	284.0	286.6	281.3
27.5°	220.0	222.4	225.3	227.0	226.3
30°	159.4	159.6	159.4	162.5	161.3
32.5°	88.6	95.9	97.1	99.3	91.5
35°	43.6	45.7	51.6	47.4	45.0
37.5°	20.9	22.4	28.0	22.9	21.9
40°	11.7	12.7	15.8	13.1	11.7
42.5°	5.6	7.3	8.5	7.5	5.6
45°	2.4	3.6	5.6	3.6	2.4
47.5°	1.0	1.5	3.4	1.5	1.0
50°	1.0	0.7	1.7	0.7	0.7
52.5°	0.7	0.7	1.0	0.7	0.7
55°	0.7	0.7	0.7	0.7	0.7
57.5°	0.7	0.7	0.7	0.7	0.7
60°	0.7	0.7	0.7	0.7	0.7
62.5°	0.5	0.7	0.7	0.7	0.5
65°	0.5	0.5	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.5	0.5	0.5
72.5°	0.2	0.5	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2
80°	0.2	0.2	0.2	0.2	0.2
82.5°	0.2	0.2	0.2	0.2	0.2
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)