

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: P1317765

Luminaire Tested: P3SQAS05R559835DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317765
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: P3SQAS05R559835DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

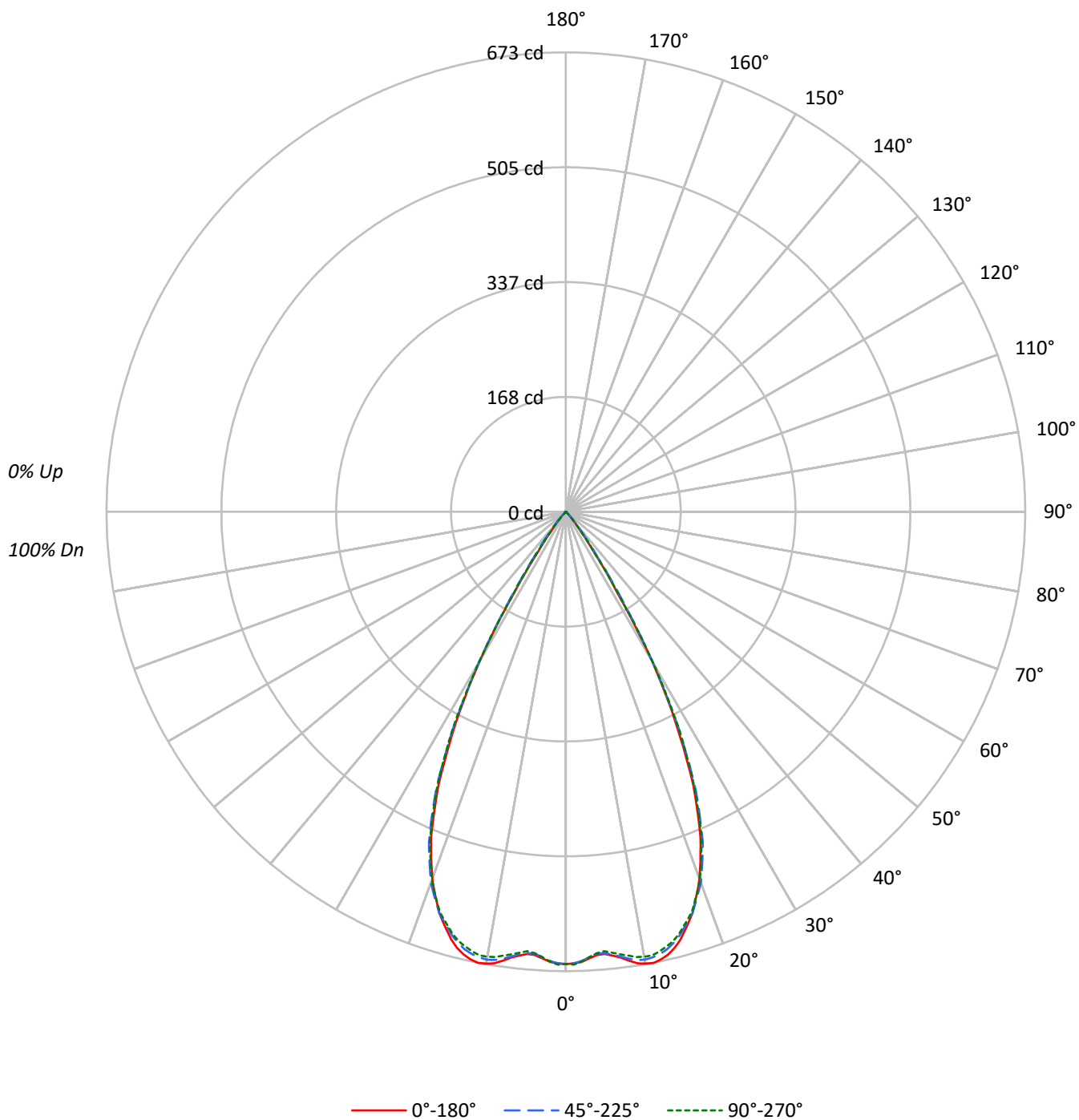
Lumens per Lamp: N/A
Luminaire Lumens: 508.1 lumens
Efficiency: N/A
Efficacy: 70.6 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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		79	76	73		78
7	87	79	73	69	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°	114080	114080	114080
5°	112459	112251	111715
10°	117536	116522	115788
15°	115698	114663	114182
20°	104907	105970	105200
25°	83897	85664	84847
30°	50313	50313	50929
35°	14528	17219	15033
40°	4159	5643	4159
45°	950	2168	950
50°	402	723	322
55°	360	360	360
60°	413	413	413
65°	326	326	326
70°	403	403	403
75°	266	266	266
80°	397	397	397
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2168 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.8	12.4
10°-20°	179.0	35.2
20°-30°	197.2	38.8
30°-40°	60.3	11.9
40°-50°	6.0	1.2
50°-60°	1.1	0.2
60°-70°	0.9	0.2
70°-80°	0.5	0.1
80°-90°	0.2	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°	439.1	86.4
0°-40°	499.4	98.3
0°-60°	506.5	99.7
0°-90°	508.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	508.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	662	662	662	662	662	
5°	650	650	649	647	646	63
15°	649	648	643	640	640	180
25°	442	446	451	455	446	195
35°	69	73	82	75	72	57
45°	4	6	9	6	4	5
55°	1	1	1	1	1	1
65°	1	1	1	1	1	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°	662.4	662.4	662.4	662.4	662.4
1°	661.7	662.1	661.7	660.9	663.6
2°	660.1	659.7	658.6	658.2	659.4
3°	655.1	655.1	653.6	652.8	653.2
4°	651.2	651.2	648.9	648.2	648.5
5°	650.5	650.5	649.3	647.4	646.2
6°	653.6	654.3	651.6	649.7	649.7
7°	658.2	658.6	656.7	653.9	653.2
8°	664.0	664.4	661.3	658.2	656.7
9°	669.8	669.0	664.8	661.7	660.5
10°	672.1	671.7	666.3	663.2	662.1
11°	673.3	671.3	665.1	662.4	662.1
12°	670.6	669.0	662.4	659.7	658.6
13°	665.9	663.6	658.2	655.5	653.9
14°	658.6	656.3	651.2	648.2	648.5
15°	648.9	647.8	643.1	640.4	640.4
17.5°	616.9	617.6	616.5	615.3	614.5
20°	572.4	575.5	578.2	576.7	574.0
22.5°	515.7	521.1	524.2	524.9	519.9
25°	441.5	445.8	450.8	455.0	446.5
27.5°	349.2	353.0	357.7	360.4	359.2
30°	253.0	253.4	253.0	258.0	256.1
32.5°	140.6	152.2	154.1	157.6	145.2
35°	69.1	72.6	81.9	75.3	71.5
37.5°	33.2	35.5	44.4	36.3	34.8
40°	18.5	20.1	25.1	20.9	18.5
42.5°	8.9	11.6	13.5	12.0	8.9
45°	3.9	5.8	8.9	5.8	3.9
47.5°	1.5	2.3	5.4	2.3	1.5
50°	1.5	1.2	2.7	1.2	1.2
52.5°	1.2	1.2	1.5	1.2	1.2
55°	1.2	1.2	1.2	1.2	1.2
57.5°	1.2	1.2	1.2	1.2	1.2
60°	1.2	1.2	1.2	1.2	1.2
62.5°	0.8	1.2	1.2	1.2	0.8
65°	0.8	0.8	0.8	0.8	0.8
67.5°	0.8	0.8	0.8	0.8	0.8
70°	0.8	0.8	0.8	0.8	0.8
72.5°	0.4	0.8	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4
77.5°	0.4	0.4	0.4	0.4	0.4
80°	0.4	0.4	0.4	0.4	0.4
82.5°	0.4	0.4	0.4	0.4	0.4
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)