

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: P1310029

Luminaire Tested: P3SQAS09R159040DE010 E3SQCD1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310029
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R159040DE010 E3SQCD1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , E3SQCD1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

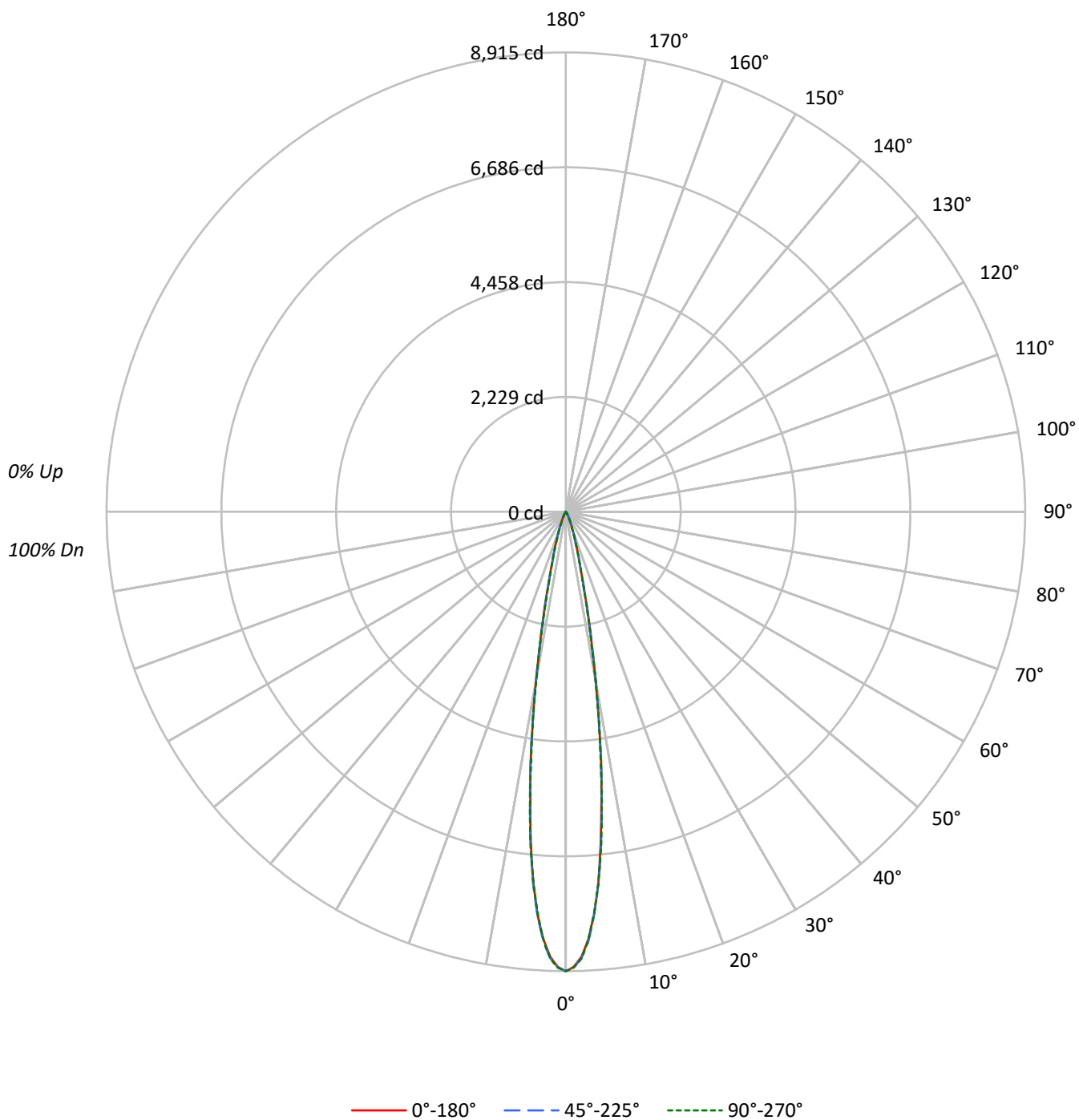
Lumens per Lamp: N/A
Luminaire Lumens: 995.0 lumens
Efficiency: N/A
Efficacy: 89.6 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	111	113	112	110	109	108	107	106		104	103	102		101
2	113	109	107	105	111	108	106	104	105	103	101		102	101	99		99
3	110	106	103	100	108	105	102	100	102	100	98		100	98	97		98
4	107	103	99	97	106	102	99	96	100	97	95		98	96	94		96
5	105	100	97	94	104	99	96	94	98	95	93		96	94	92		95
6	103	97	94	92	102	97	94	91	96	93	91		94	92	90		93
7	101	95	92	90	100	95	92	89	94	91	89		93	90	88		92
8	99	93	90	88	98	93	90	88	92	89	87		91	89	87		90
9	97	91	88	86	96	91	88	86	90	88	86		90	87	85		89
10	95	90	87	84	95	90	86	84	89	86	84		88	86	84		88

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1535399	1535399	1535399
5°	1250099	1254179	1251724
10°	583136	588364	580932
15°	183112	184663	183540
20°	72559	75436	70250
25°	29321	35440	28257
30°	11733	16128	11117
35°	3469	7106	3301
40°	1057	2653	877
45°	195	585	195
50°	0	214	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 585 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	558.2	56.1
10°-20°	333.8	33.6
20°-30°	84.2	8.5
30°-40°	17.2	1.7
40°-50°	1.6	0.2
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	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°	976.2	98.1
0°-40°	993.4	99.8
0°-60°	995.0	100.0
0°-90°	995.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	995.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8915	8915	8915	8915	8915	
5°	7231	7218	7255	7236	7240	557
15°	1027	1036	1036	1021	1029	334
25°	154	168	186	165	149	79
35°	16	22	34	21	16	14
45°	1	2	2	2	1	1
55°	0	0	0	0	0	0
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°	8915.2	8915.2	8915.2	8915.2	8915.2
1°	8834.9	8864.8	8849.1	8861.6	8847.5
2°	8643.6	8683.8	8671.2	8667.3	8678.3
3°	8306.8	8353.2	8351.7	8339.9	8321.0
4°	7847.2	7828.3	7857.4	7854.3	7822.0
5°	7231.0	7217.6	7254.6	7236.5	7240.4
6°	6477.0	6535.3	6522.7	6524.3	6539.2
7°	5667.2	5698.7	5725.4	5747.5	5716.8
8°	4923.5	4915.6	4918.0	4943.2	4858.2
9°	4090.8	4139.6	4108.2	4057.8	4090.1
10°	3334.5	3364.4	3364.4	3320.4	3321.9
11°	2658.5	2682.9	2665.6	2676.6	2607.3
12°	2143.0	2082.4	2068.2	2079.3	2078.5
13°	1636.2	1640.1	1636.2	1635.4	1627.5
14°	1282.8	1303.3	1294.6	1273.4	1263.9
15°	1027.0	1035.7	1035.7	1020.7	1029.4
17.5°	617.0	627.2	629.6	619.4	619.4
20°	395.9	400.6	411.6	396.6	383.3
22.5°	244.0	254.2	273.1	251.1	240.0
25°	154.3	168.4	186.5	165.3	148.7
27.5°	96.8	108.6	124.3	103.9	93.7
30°	59.0	66.9	81.1	65.3	55.9
32.5°	33.1	39.4	51.2	37.8	31.5
35°	16.5	22.0	33.8	21.2	15.7
37.5°	9.4	11.8	21.2	10.2	8.7
40°	4.7	6.3	11.8	6.3	3.9
42.5°	1.6	3.1	4.7	3.1	1.6
45°	0.8	1.6	2.4	1.6	0.8
47.5°	0.0	0.0	0.8	0.0	0.0
50°	0.0	0.0	0.8	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
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)