

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: P1313227

Luminaire Tested: P3SQAS09R259730DE010 E3SQCD1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313227
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R259730DE010 E3SQCD1MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 97CRI , E3SQCD1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

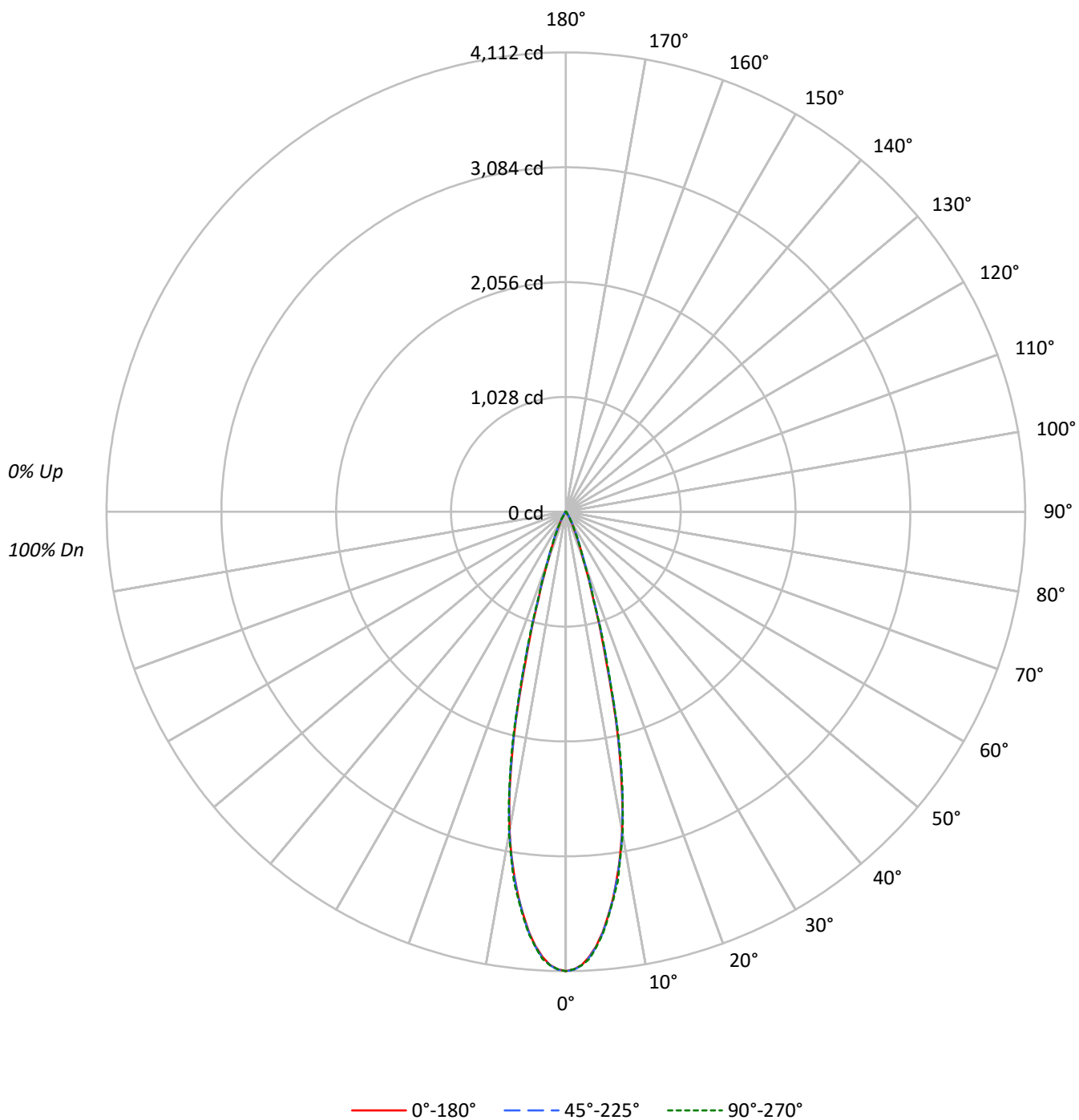
Lumens per Lamp: N/A
Luminaire Lumens: 856.0 lumens
Efficiency: N/A
Efficacy: 77.1 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	99
1	115	113	111	110	113	111	110	108	107	106	105	103	103	102	100	99	99	97	96	96
2	112	108	105	103	110	107	104	102	104	102	100	101	99	98	98	97	96	94	93	93
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92	91	91
4	105	100	97	94	104	99	96	93	97	95	92	96	93	91	94	92	90	89	88	88
5	103	97	93	90	101	96	93	90	95	92	89	93	91	89	92	90	88	87	86	86
6	100	94	90	87	99	93	90	87	92	89	87	91	88	86	90	87	85	84	83	83
7	97	91	87	85	96	91	87	84	90	86	84	89	86	84	88	85	83	82	81	81
8	95	89	85	82	94	88	85	82	87	84	82	87	84	82	86	83	81	80	79	79
9	93	86	83	80	92	86	82	80	85	82	80	85	82	80	84	81	79	78	77	77
10	91	84	81	78	90	84	80	78	83	80	78	83	80	78	82	79	77	76	75	75

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	708248	708248	708248
5°	653039	654526	655891
10°	507045	508882	511645
15°	250580	261117	261224
20°	84380	90025	86066
25°	34946	38803	35934
30°	13722	17242	13841
35°	3595	7043	3721
40°	1326	2810	1326
45°	170	804	170
50°	0	188	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: 804 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	333.2	38.9
10°-20°	403.1	47.1
20°-30°	98.4	11.5
30°-40°	19.1	2.2
40°-50°	2.2	0.3
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°	834.7	97.5
0°-40°	853.8	99.7
0°-60°	856.0	100.0
0°-90°	856.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	856.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4112	4112	4112	4112	4112	
5°	3777	3783	3786	3802	3794	332
15°	1405	1439	1464	1479	1465	396
25°	184	194	204	196	189	94
35°	17	24	34	24	18	15
45°	1	2	3	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°	4112.4	4112.4	4112.4	4112.4	4112.4
1°	4096.6	4099.2	4099.9	4103.8	4095.9
2°	4059.2	4059.8	4061.8	4069.7	4062.5
3°	3990.2	3994.8	3995.5	4006.0	4007.9
4°	3896.3	3898.9	3904.2	3921.9	3906.2
5°	3777.4	3782.7	3786.0	3802.4	3793.9
6°	3630.3	3631.6	3638.9	3657.9	3646.1
7°	3480.6	3479.9	3480.6	3495.7	3492.4
8°	3300.0	3296.7	3307.2	3325.6	3338.1
9°	3111.5	3116.1	3122.7	3140.4	3126.0
10°	2899.4	2911.9	2909.9	2911.2	2925.7
11°	2655.1	2659.0	2659.7	2673.5	2671.5
12°	2368.1	2368.1	2389.8	2412.1	2404.9
13°	2078.5	2098.9	2084.4	2089.0	2117.9
14°	1741.0	1756.7	1776.4	1794.8	1780.4
15°	1405.4	1438.9	1464.5	1478.9	1465.1
17.5°	805.1	816.3	838.0	840.6	832.1
20°	460.4	474.1	491.2	486.0	469.6
22.5°	289.6	293.6	310.6	302.1	298.1
25°	183.9	193.7	204.2	195.7	189.1
27.5°	114.3	120.8	132.0	122.8	115.6
30°	69.0	74.9	86.7	74.2	69.6
32.5°	36.1	44.7	54.5	45.3	36.1
35°	17.1	24.3	33.5	24.3	17.7
37.5°	10.5	13.1	20.4	13.1	10.5
40°	5.9	8.5	12.5	8.5	5.9
42.5°	2.6	4.6	5.9	4.6	3.3
45°	0.7	2.0	3.3	2.0	0.7
47.5°	0.0	0.0	2.0	0.7	0.0
50°	0.0	0.0	0.7	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)