

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: P1307401

Luminaire Tested: P3SQAS24R559027D010 E3SQCD1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307401
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R559027D010 E3SQCD1MMS
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 90CRI , E3SQCD1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

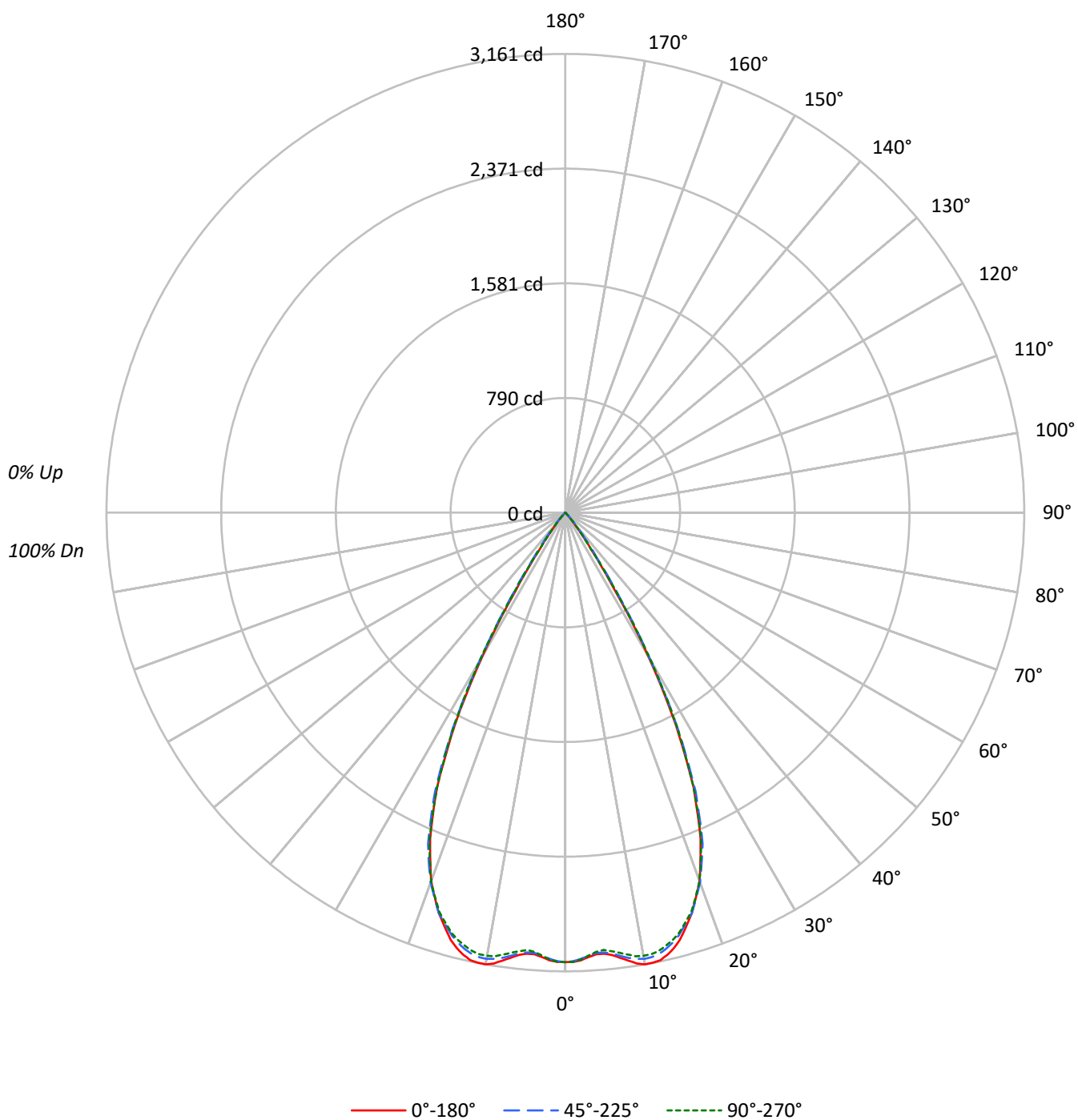
Lumens per Lamp: N/A
Luminaire Lumens: 2355.0 lumens
Efficiency: N/A
Efficacy: 81.8 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	89
3	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	80
5	96	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	77	77	75
6	91	83	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	73	73	71
7	87	79	74	70	86	79	73	70	77	73	69	76	72	69	75	72	69	69	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	65	72	68	65	65	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	62	62	61
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	66	62	59	59	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	533477	533477	533477
5°	527389	525833	523015
10°	552776	546149	542354
15°	543595	537800	535857
20°	495137	497135	495467
25°	397232	403427	397232
30°	227999	233747	235536
35°	65008	78316	66921
40°	16659	23988	17064
45°	1754	8378	1315
50°	0	1447	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: 8378 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	294.1	12.5
10°-20°	839.3	35.6
20°-30°	924.4	39.3
30°-40°	275.9	11.7
40°-50°	21.2	0.9
50°-60°	0.1	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°	2057.7	87.4
0°-40°	2333.7	99.1
0°-60°	2355.0	100.0
0°-90°	2355.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2355.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3098	3098	3098	3098	3098	
5°	3051	3045	3042	3029	3025	296
15°	3049	3027	3016	3004	3005	845
25°	2090	2090	2123	2119	2090	915
35°	309	329	372	340	318	255
45°	7	18	34	18	5	14
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°	3097.6	3097.6	3097.6	3097.6	3097.6
1°	3095.8	3095.8	3092.2	3090.4	3095.8
2°	3086.8	3086.8	3077.7	3075.9	3081.4
3°	3066.9	3065.1	3057.9	3052.4	3056.0
4°	3050.6	3047.0	3041.6	3032.5	3034.3
5°	3050.6	3045.2	3041.6	3028.9	3025.3
6°	3065.1	3061.5	3054.2	3041.6	3038.0
7°	3090.4	3083.2	3075.9	3059.7	3056.0
8°	3117.5	3112.1	3097.6	3081.4	3074.1
9°	3144.7	3132.0	3113.9	3097.6	3095.8
10°	3160.9	3142.8	3123.0	3103.1	3101.3
11°	3159.1	3142.8	3119.3	3101.3	3099.4
12°	3151.9	3128.4	3108.5	3086.8	3088.6
13°	3126.6	3104.9	3085.0	3068.7	3065.1
14°	3092.2	3072.3	3054.2	3038.0	3039.8
15°	3048.8	3027.1	3016.3	3003.6	3005.4
17.5°	2895.1	2889.7	2895.1	2880.6	2886.1
20°	2701.6	2696.2	2712.5	2705.2	2703.4
22.5°	2432.2	2439.4	2470.2	2461.1	2444.8
25°	2090.4	2090.4	2123.0	2119.3	2090.4
27.5°	1645.6	1658.2	1678.1	1687.2	1665.5
30°	1146.5	1175.4	1175.4	1193.5	1184.4
32.5°	640.1	701.6	716.1	725.1	689.0
35°	309.2	329.1	372.5	340.0	318.3
37.5°	148.3	157.3	200.7	162.7	151.9
40°	74.1	85.0	106.7	88.6	75.9
42.5°	30.7	45.2	56.1	45.2	30.7
45°	7.2	18.1	34.4	18.1	5.4
47.5°	0.0	1.8	16.3	3.6	0.0
50°	0.0	0.0	5.4	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)