

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: P1307391

Luminaire Tested: P3SQAS24R509027D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307391
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-27)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R509027D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

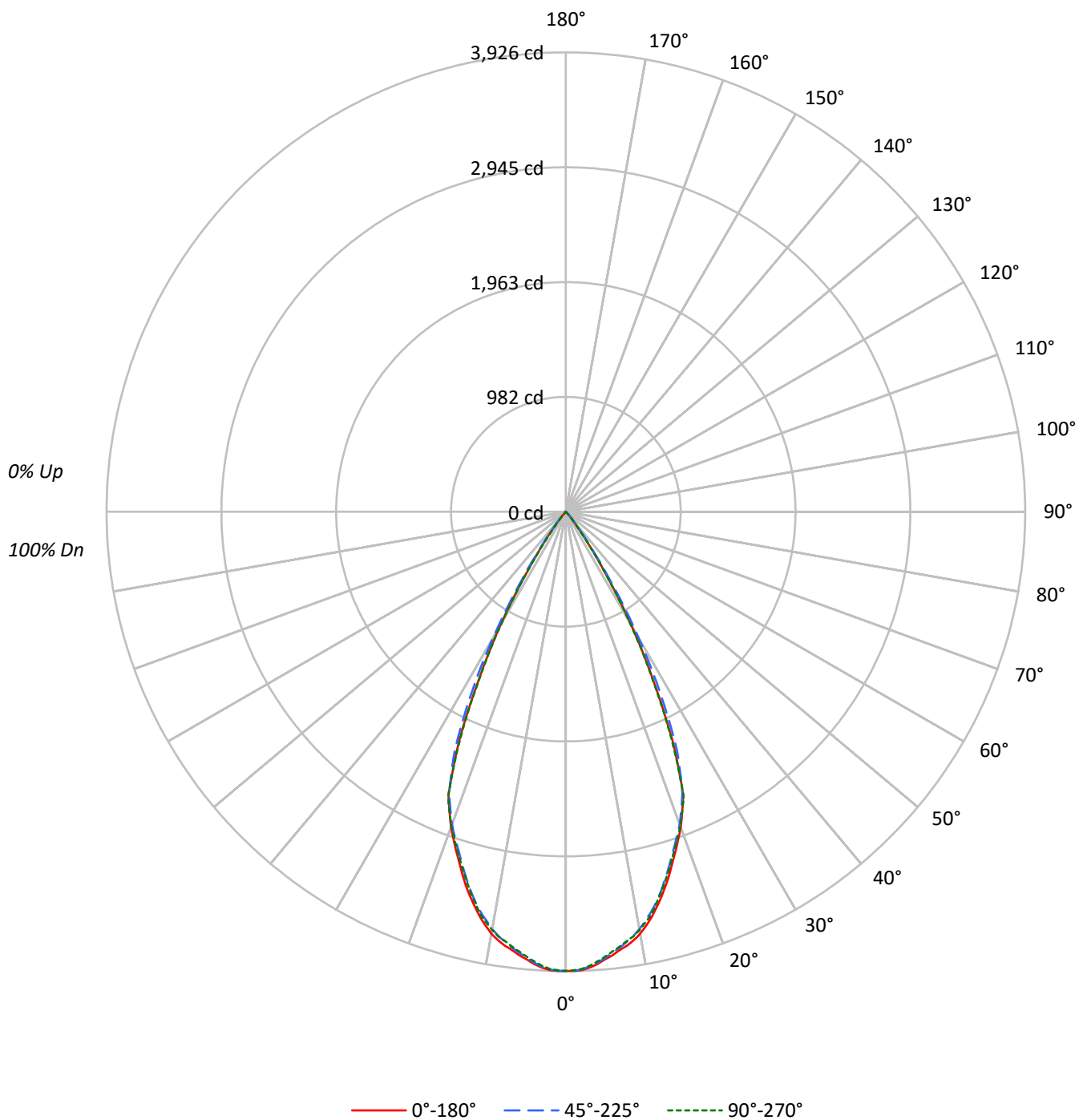
Lumens per Lamp: N/A
Luminaire Lumens: 2527.0 lumens
Efficiency: N/A
Efficacy: 87.7 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	110	108	106	106	104	102	102	101	99	98	97	97	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	91	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	82	82	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	77	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	70	70	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	66	66	65
9	81	73	67	64	80	72	67	64	71	67	64	70	66	63	70	66	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	675836	675836	675836
5°	664051	662167	660300
10°	640426	633466	634742
15°	589132	581715	583338
20°	526074	521107	524095
25°	409431	426610	404966
30°	221795	247667	217837
35°	69927	83236	68414
40°	15445	21538	14636
45°	438	6600	438
50°	0	965	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: 6600 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	359.5	14.2
10°-20°	913.5	36.1
20°-30°	962.1	38.1
30°-40°	274.8	10.9
40°-50°	17.0	0.7
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°	2235.1	88.4
0°-40°	2509.9	99.3
0°-60°	2527.0	100.0
0°-90°	2527.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2527.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3924	3924	3924	3924	3924	
5°	3841	3837	3830	3827	3819	361
15°	3304	3282	3263	3268	3272	920
25°	2155	2234	2245	2220	2131	943
35°	333	356	396	336	325	259
45°	2	9	27	9	2	11
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°	3924.2	3924.2	3924.2	3924.2	3924.2
1°	3926.0	3927.8	3924.2	3927.8	3918.8
2°	3920.6	3917.0	3913.4	3915.2	3909.7
3°	3900.7	3898.9	3891.7	3893.5	3886.3
4°	3875.4	3870.0	3864.6	3860.9	3853.7
5°	3841.1	3837.4	3830.2	3826.6	3819.4
6°	3812.1	3804.9	3792.3	3788.6	3781.4
7°	3774.2	3770.6	3754.3	3750.7	3747.1
8°	3745.3	3734.4	3714.5	3716.3	3707.3
9°	3707.3	3692.8	3673.0	3673.0	3674.8
10°	3662.1	3640.4	3622.3	3627.8	3629.6
11°	3602.5	3588.0	3560.9	3573.5	3573.5
12°	3537.4	3519.3	3499.4	3510.3	3517.5
13°	3461.5	3447.0	3428.9	3439.8	3436.2
14°	3387.4	3360.3	3347.6	3362.1	3356.6
15°	3304.2	3282.5	3262.6	3268.1	3271.7
17.5°	3081.9	3058.4	3043.9	3045.7	3062.0
20°	2870.4	2861.4	2843.3	2850.5	2859.6
22.5°	2621.0	2624.6	2602.9	2608.3	2630.0
25°	2154.6	2234.1	2245.0	2219.7	2131.1
27.5°	1596.1	1715.4	1751.5	1693.7	1585.2
30°	1115.3	1147.8	1245.4	1135.1	1095.4
32.5°	654.3	703.1	755.6	679.6	652.5
35°	332.6	356.1	395.9	336.2	325.4
37.5°	153.6	164.5	180.8	153.6	144.6
40°	68.7	81.3	95.8	77.7	65.1
42.5°	21.7	38.0	50.6	34.3	19.9
45°	1.8	9.0	27.1	9.0	1.8
47.5°	0.0	1.8	10.8	1.8	0.0
50°	0.0	0.0	3.6	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)