

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: P1309627

Luminaire Tested: P3SQAS24R509035D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309627
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: P3SQAS24R509035D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

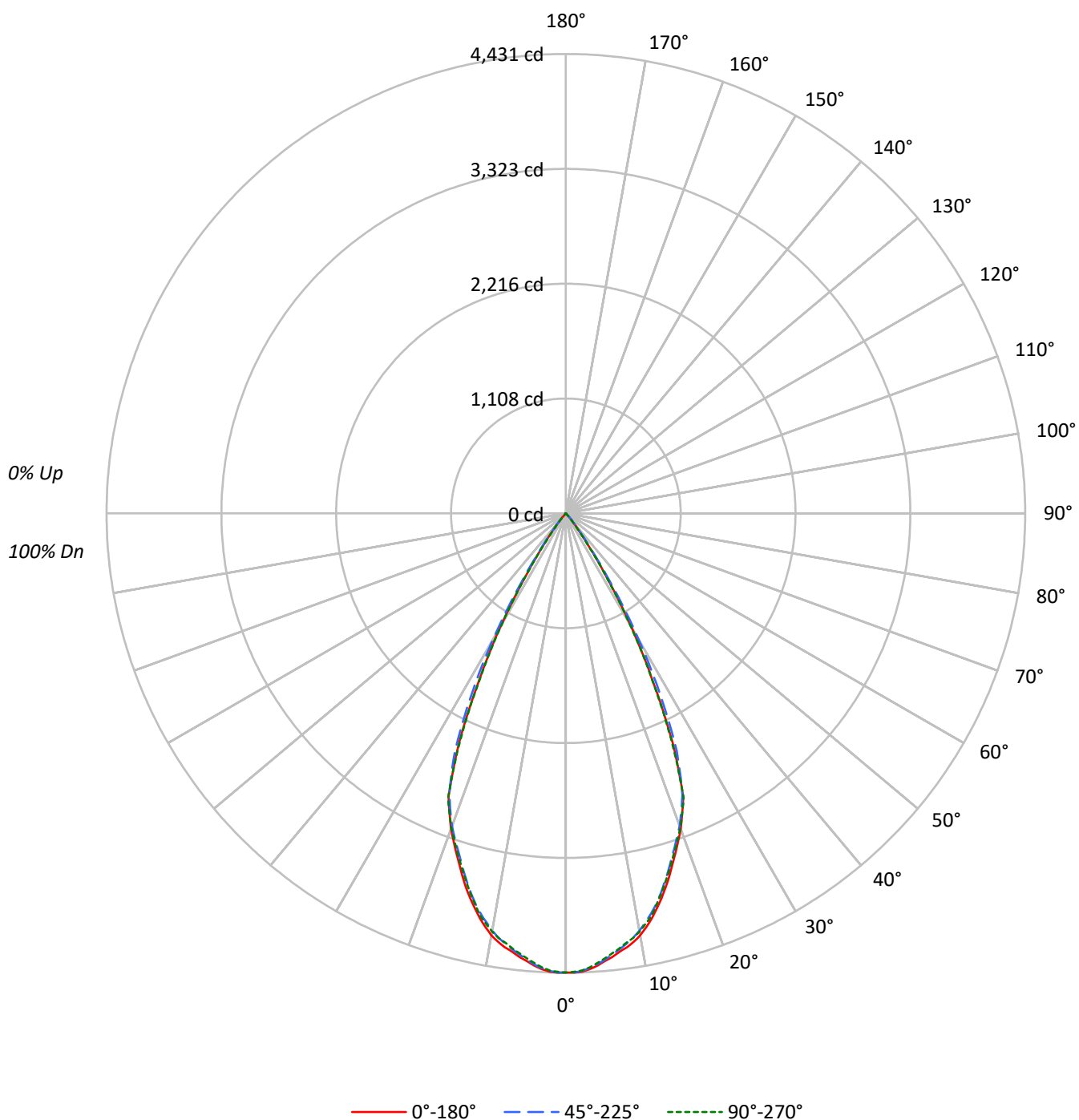
Lumens per Lamp: N/A
Luminaire Lumens: 2852.0 lumens
Efficiency: N/A
Efficacy: 99.0 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	112	109	107	112	110	108	106	106	104	102		102	101	99		98
2	109	105	101	98	107	103	100	97	100	98	95		97	95	93		95
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		91
4	100	94	89	85	99	93	88	85	90	87	84		89	85	83		87
5	96	89	84	80	95	88	83	79	86	82	79		85	81	78		83
6	92	84	79	75	91	83	79	75	82	78	74		81	77	74		79
7	88	80	75	71	87	79	74	71	78	74	70		77	73	70		76
8	85	76	71	67	83	76	71	67	75	70	67		74	70	67		73
9	81	73	67	64	80	72	67	64	71	67	64		70	66	63		70
10	78	69	64	61	77	69	64	61	68	64	60		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	762757	762757	762757
5°	749454	747328	745219
10°	722794	714942	716376
15°	664909	656547	658365
20°	593739	588131	591485
25°	462088	481471	457052
30°	250312	279525	245858
35°	78926	93937	77202
40°	17424	24303	16502
45°	487	7453	487
50°	0	1099	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: 7453 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	405.8	14.2
10°-20°	1031.0	36.1
20°-30°	1085.9	38.1
30°-40°	310.1	10.9
40°-50°	19.2	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°	2522.6	88.4
0°-40°	2832.7	99.3
0°-60°	2852.0	100.0
0°-90°	2852.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2852.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4429	4429	4429	4429	4429	
5°	4335	4331	4323	4319	4311	408
15°	3729	3705	3682	3688	3692	1039
25°	2432	2522	2534	2505	2405	1064
35°	375	402	447	379	367	293
45°	2	10	31	10	2	12
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°	4428.9	4428.9	4428.9	4428.9	4428.9
1°	4430.9	4433.0	4428.9	4433.0	4422.8
2°	4424.8	4420.7	4416.7	4418.7	4412.6
3°	4402.4	4400.3	4392.2	4394.2	4386.1
4°	4373.8	4367.7	4361.6	4357.5	4349.3
5°	4335.1	4331.0	4322.8	4318.7	4310.6
6°	4302.4	4294.3	4280.0	4275.9	4267.7
7°	4259.6	4255.5	4237.1	4233.1	4229.0
8°	4226.9	4214.7	4192.3	4194.3	4184.1
9°	4184.1	4167.8	4145.3	4145.3	4147.4
10°	4133.1	4108.6	4088.2	4094.3	4096.4
11°	4065.8	4049.5	4018.9	4033.1	4033.1
12°	3992.3	3971.9	3949.5	3961.7	3969.9
13°	3906.7	3890.3	3869.9	3882.2	3878.1
14°	3823.0	3792.4	3778.1	3794.5	3788.3
15°	3729.2	3704.7	3682.3	3688.4	3692.5
17.5°	3478.3	3451.7	3435.4	3437.5	3455.8
20°	3239.6	3229.4	3209.0	3217.1	3227.3
22.5°	2958.0	2962.1	2937.6	2943.8	2968.2
25°	2431.7	2521.5	2533.7	2505.2	2405.2
27.5°	1801.3	1936.0	1976.8	1911.5	1789.1
30°	1258.7	1295.4	1405.6	1281.1	1236.3
32.5°	738.5	793.6	852.7	767.1	736.5
35°	375.4	401.9	446.8	379.4	367.2
37.5°	173.4	185.6	204.0	173.4	163.2
40°	77.5	91.8	108.1	87.7	73.4
42.5°	24.5	42.8	57.1	38.8	22.4
45°	2.0	10.2	30.6	10.2	2.0
47.5°	0.0	2.0	12.2	2.0	0.0
50°	0.0	0.0	4.1	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)