

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: P1307193

Luminaire Tested: P3SQAS20R309027D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307193
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R309027D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

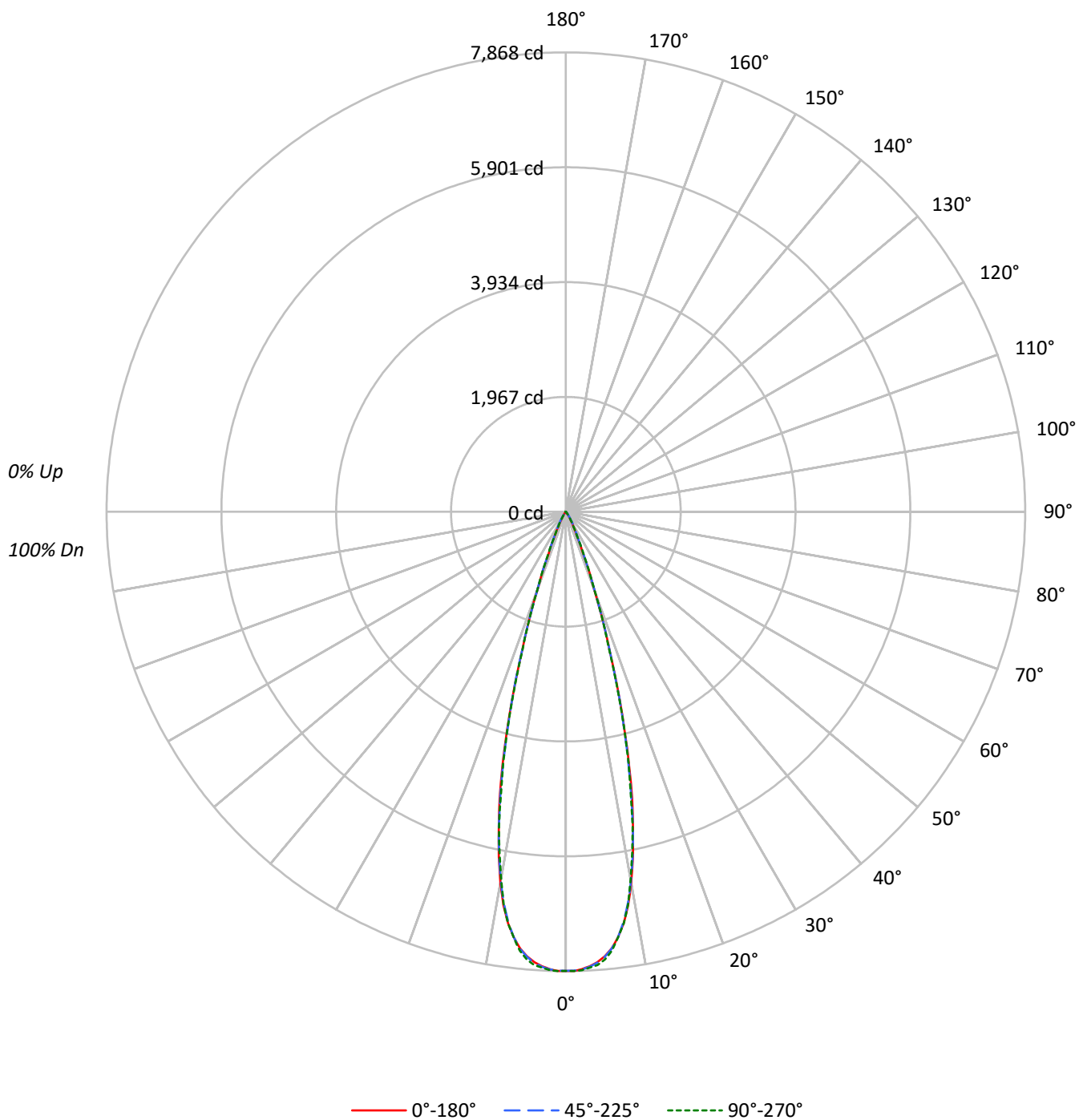
Lumens per Lamp: N/A
Luminaire Lumens: 2029.0 lumens
Efficiency: N/A
Efficacy: 70.5 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	115	113	111	110	113	111	109	108	107	106	105		103	102	101		100
2	112	108	105	103	109	106	104	102	103	101	99		100	99	97		98
3	108	104	100	97	106	102	99	97	100	97	95		98	95	94		95
4	105	100	96	93	103	99	95	92	97	94	91		95	92	90		93
5	102	96	92	89	101	95	92	89	94	91	88		92	90	87		91
6	99	93	89	86	98	92	89	86	91	88	85		90	87	85		89
7	96	90	86	83	95	90	86	83	89	85	83		87	85	82		87
8	94	88	84	81	93	87	83	81	86	83	80		85	82	80		84
9	91	85	81	78	91	85	81	78	84	80	78		83	80	78		82
10	89	83	79	76	88	82	79	76	82	78	76		81	78	76		80

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1354238	1354238	1354238
5°	1321222	1322864	1330229
10°	1128427	1123181	1116553
15°	696361	688212	690744
20°	263184	264632	264338
25°	80970	88761	84562
30°	32634	41424	33887
35°	9629	17576	9945
40°	3912	7104	3912
45°	779	2314	779
50°	0	429	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: 2314 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	693.5	34.2
10°-20°	1026.9	50.6
20°-30°	254.7	12.6
30°-40°	47.8	2.4
40°-50°	6.0	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°	1975.1	97.3
0°-40°	2022.9	99.7
0°-60°	2029.0	100.0
0°-90°	2029.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2029.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7863	7863	7863	7863	7863	
5°	7642	7639	7652	7664	7694	694
15°	3906	3868	3860	3890	3874	1032
25°	426	454	467	466	445	245
35°	46	60	84	62	47	38
45°	3	5	10	6	3	4
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°	7863.3	7863.3	7863.3	7863.3	7863.3
1°	7866.5	7860.2	7860.2	7850.7	7868.1
2°	7838.1	7831.8	7842.8	7834.9	7857.0
3°	7795.5	7787.6	7803.4	7808.1	7819.1
4°	7732.4	7726.0	7743.4	7752.9	7782.8
5°	7642.4	7639.2	7651.9	7664.5	7694.5
6°	7519.3	7514.6	7522.5	7538.3	7557.2
7°	7341.0	7331.5	7337.8	7341.0	7345.7
8°	7115.3	7101.1	7093.2	7110.6	7120.1
9°	6825.0	6809.2	6791.8	6785.5	6807.6
10°	6452.6	6428.9	6422.6	6406.8	6384.7
11°	6020.2	6001.3	5996.5	5968.1	5955.5
12°	5524.7	5515.2	5526.3	5508.9	5502.6
13°	5049.7	4989.7	4981.8	4948.7	4931.3
14°	4487.9	4432.7	4431.1	4413.8	4437.4
15°	3905.6	3867.8	3859.9	3889.8	3874.1
17.5°	2490.1	2515.4	2509.1	2493.3	2466.5
20°	1436.0	1418.6	1443.9	1450.2	1442.3
22.5°	765.3	771.7	776.4	795.3	808.0
25°	426.1	454.5	467.1	465.5	445.0
27.5°	265.1	282.5	306.1	290.4	273.0
30°	164.1	178.3	208.3	179.9	170.4
32.5°	88.4	112.0	134.1	112.0	91.5
35°	45.8	60.0	83.6	61.5	47.3
37.5°	30.0	34.7	53.7	34.7	30.0
40°	17.4	22.1	31.6	22.1	17.4
42.5°	7.9	12.6	17.4	12.6	7.9
45°	3.2	4.7	9.5	6.3	3.2
47.5°	0.0	1.6	4.7	1.6	0.0
50°	0.0	0.0	1.6	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)