

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: P1306890

Luminaire Tested: P3SQAS13R309027DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306890
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: P3SQAS13R309027DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

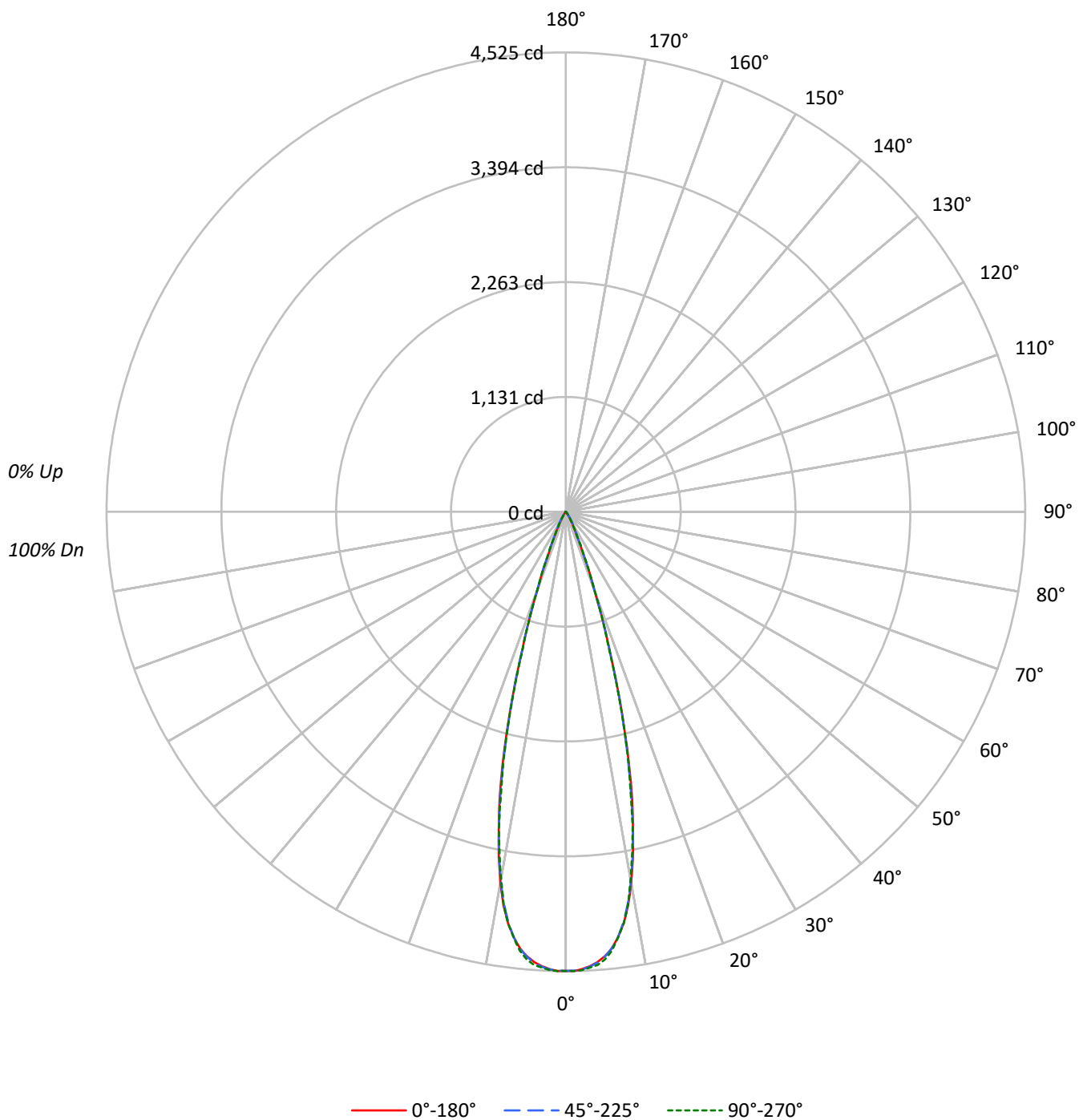
Lumens per Lamp: N/A
Luminaire Lumens: 1167.0 lumens
Efficiency: N/A
Efficacy: 79.9 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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°	778911	778911	778911
5°	759914	760864	765100
10°	649030	646005	642192
15°	400529	395822	397284
20°	151367	152210	152045
25°	46576	51060	48628
30°	18773	23824	19489
35°	5529	10113	5719
40°	2248	4092	2248
45°	438	1315	438
50°	0	241	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: 1315 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	398.9	34.2
10°-20°	590.6	50.6
20°-30°	146.5	12.6
30°-40°	27.5	2.4
40°-50°	3.5	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°	1136.0	97.3
0°-40°	1163.5	99.7
0°-60°	1167.0	100.0
0°-90°	1167.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1167.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4523	4523	4523	4523	4523	
5°	4396	4394	4401	4408	4426	399
15°	2246	2225	2220	2237	2228	594
25°	245	261	269	268	256	141
35°	26	34	48	35	27	22
45°	2	3	5	4	2	2
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°	4522.7	4522.7	4522.7	4522.7	4522.7
1°	4524.5	4520.9	4520.9	4515.4	4525.4
2°	4508.2	4504.5	4510.9	4506.3	4519.0
3°	4483.6	4479.1	4488.2	4490.9	4497.3
4°	4447.3	4443.7	4453.7	4459.1	4476.4
5°	4395.6	4393.8	4401.1	4408.3	4425.6
6°	4324.8	4322.1	4326.6	4335.7	4346.6
7°	4222.3	4216.8	4220.4	4222.3	4225.0
8°	4092.5	4084.3	4079.8	4089.7	4095.2
9°	3925.5	3916.4	3906.4	3902.8	3915.5
10°	3711.3	3697.6	3694.0	3684.9	3672.2
11°	3462.6	3451.7	3449.0	3432.6	3425.4
12°	3177.6	3172.1	3178.5	3168.5	3164.9
13°	2904.4	2869.9	2865.4	2846.3	2836.3
14°	2581.3	2549.5	2548.6	2538.6	2552.2
15°	2246.4	2224.6	2220.0	2237.3	2228.2
17.5°	1432.2	1446.7	1443.1	1434.0	1418.6
20°	825.9	816.0	830.5	834.1	829.6
22.5°	440.2	443.8	446.5	457.4	464.7
25°	245.1	261.4	268.7	267.7	255.9
27.5°	152.5	162.5	176.1	167.0	157.0
30°	94.4	102.6	119.8	103.5	98.0
32.5°	50.8	64.4	77.1	64.4	52.6
35°	26.3	34.5	48.1	35.4	27.2
37.5°	17.2	20.0	30.9	20.0	17.2
40°	10.0	12.7	18.2	12.7	10.0
42.5°	4.5	7.3	10.0	7.3	4.5
45°	1.8	2.7	5.4	3.6	1.8
47.5°	0.0	0.9	2.7	0.9	0.0
50°	0.0	0.0	0.9	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)