

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: P1308687

Luminaire Tested: P3SQAS02R509035DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308687
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R509035DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

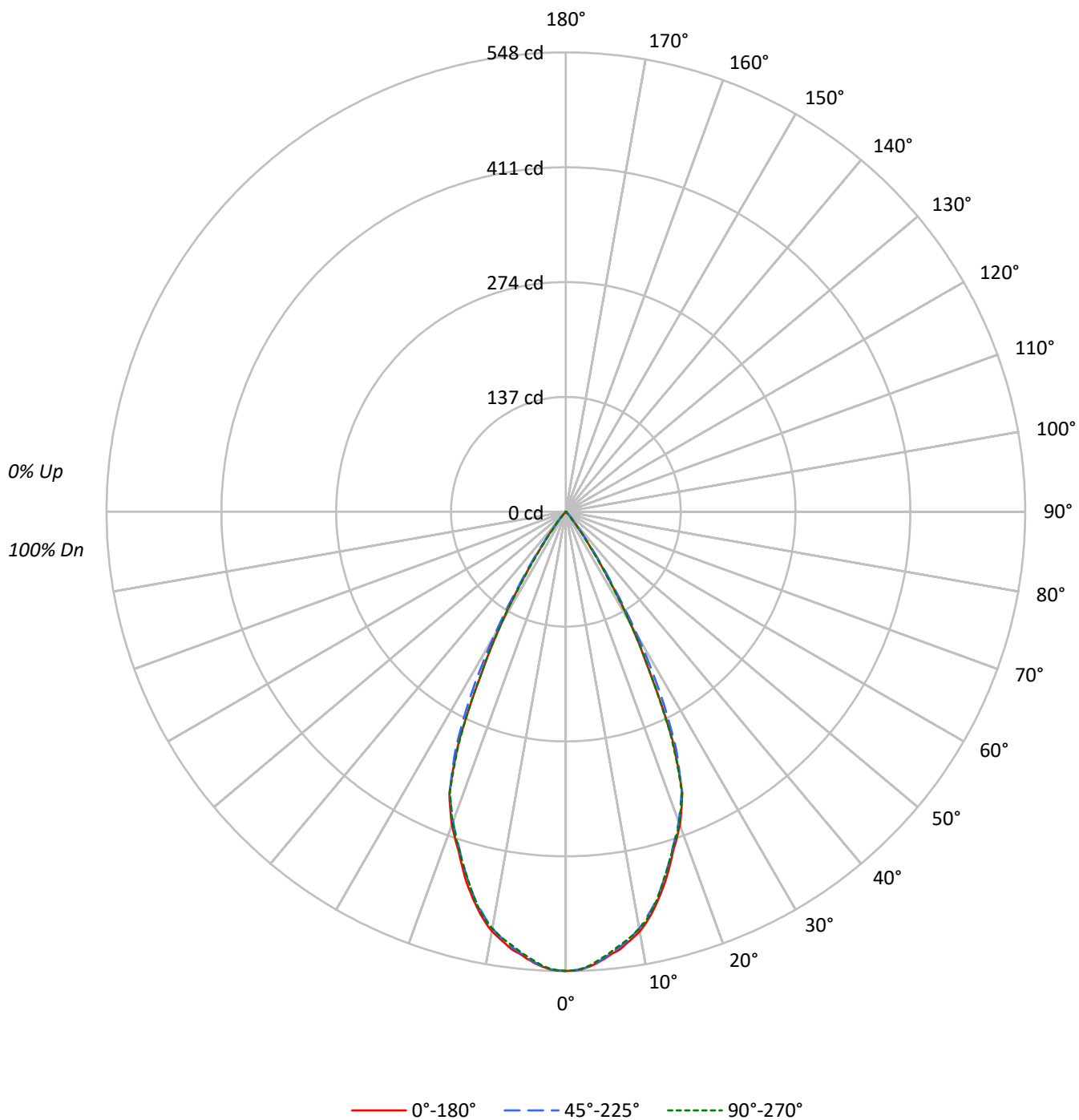
Lumens per Lamp: N/A
Luminaire Lumens: 353.1 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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

TEST NUMBER: P1308687

CATALOG NUMBER: P3SQAS02R509035DE010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1308687

CATALOG NUMBER: P3SQAS02R509035DE010 E3SQCD1MW

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	94344	94344	94344
5°	92491	92318	92059
10°	88874	88262	88297
15°	81589	80822	80733
20°	72889	72101	72467
25°	57274	58946	56799
30°	30645	34324	30745
35°	10008	11690	9440
40°	2473	3103	2361
45°	317	1096	317
50°	214	348	214
55°	240	240	240
60°	172	172	172
65°	204	204	204
70°	151	151	151
75°	200	200	200
80°	298	298	298
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1096 cd/sqm

TEST NUMBER: P1308687

CATALOG NUMBER: P3SQAS02R509035DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.1	14.2
10°-20°	126.7	35.9
20°-30°	133.2	37.7
30°-40°	38.4	10.9
40°-50°	3.1	0.9
50°-60°	0.7	0.2
60°-70°	0.5	0.1
70°-80°	0.3	0.1
80°-90°	0.1	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°	310.0	87.8
0°-40°	348.4	98.7
0°-60°	352.2	99.7
0°-90°	353.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	353.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	548	548	548	548	548	
5°	535	535	534	534	532	50
15°	458	454	453	453	453	127
25°	301	309	310	307	299	131
35°	48	49	56	48	45	37
45°	1	2	4	2	1	2
55°	1	1	1	1	1	1
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	0

TEST NUMBER: P1308687

CATALOG NUMBER: P3SQAS02R509035DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	547.8	547.8	547.8	547.8	547.8
1°	547.5	548.0	547.0	548.8	547.3
2°	546.3	546.5	546.0	547.3	545.3
3°	543.2	543.7	542.7	543.7	542.0
4°	539.7	539.7	538.7	539.5	537.2
5°	535.0	534.7	534.0	534.5	532.5
6°	530.0	529.7	528.5	528.5	527.0
7°	526.2	524.5	523.5	523.2	521.7
8°	520.2	519.7	517.7	517.7	516.7
9°	514.2	513.7	511.4	511.9	511.2
10°	508.2	506.4	504.7	504.9	504.9
11°	500.1	498.6	496.1	497.1	497.6
12°	490.6	488.9	486.6	488.6	488.4
13°	480.1	478.6	476.8	478.3	477.8
14°	469.1	466.8	465.3	466.3	465.8
15°	457.6	454.5	453.3	453.3	452.8
17.5°	425.2	423.5	422.2	421.5	423.2
20°	397.7	396.2	393.4	394.2	395.4
22.5°	363.1	362.8	361.3	360.1	361.6
25°	301.4	309.0	310.2	306.7	298.9
27.5°	219.0	236.5	242.8	234.5	220.3
30°	154.1	162.4	172.6	156.4	154.6
32.5°	93.0	95.2	104.7	93.5	91.0
35°	47.6	49.4	55.6	47.6	44.9
37.5°	22.3	23.3	25.8	22.3	20.8
40°	11.0	12.3	13.8	11.5	10.5
42.5°	4.8	6.3	8.0	6.0	4.3
45°	1.3	2.5	4.5	2.5	1.3
47.5°	0.8	1.0	2.5	1.0	0.8
50°	0.8	0.8	1.3	0.8	0.8
52.5°	0.8	0.8	0.8	0.8	0.8
55°	0.8	0.8	0.8	0.8	0.8
57.5°	0.8	0.8	0.8	0.8	0.8
60°	0.5	0.8	0.5	0.8	0.5
62.5°	0.5	0.5	0.5	0.5	0.5
65°	0.5	0.5	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5
70°	0.3	0.3	0.3	0.3	0.3
72.5°	0.3	0.3	0.3	0.3	0.3
75°	0.3	0.3	0.3	0.3	0.3
77.5°	0.3	0.3	0.3	0.3	0.3
80°	0.3	0.3	0.3	0.3	0.3
82.5°	0.0	0.3	0.0	0.3	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



TEST NUMBER: P1308687

CATALOG NUMBER: P3SQAS02R509035DE010 E3SQCD1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)