

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: P1316004

Luminaire Tested: P3SQAS05R509827DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316004
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: P3SQAS05R509827DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

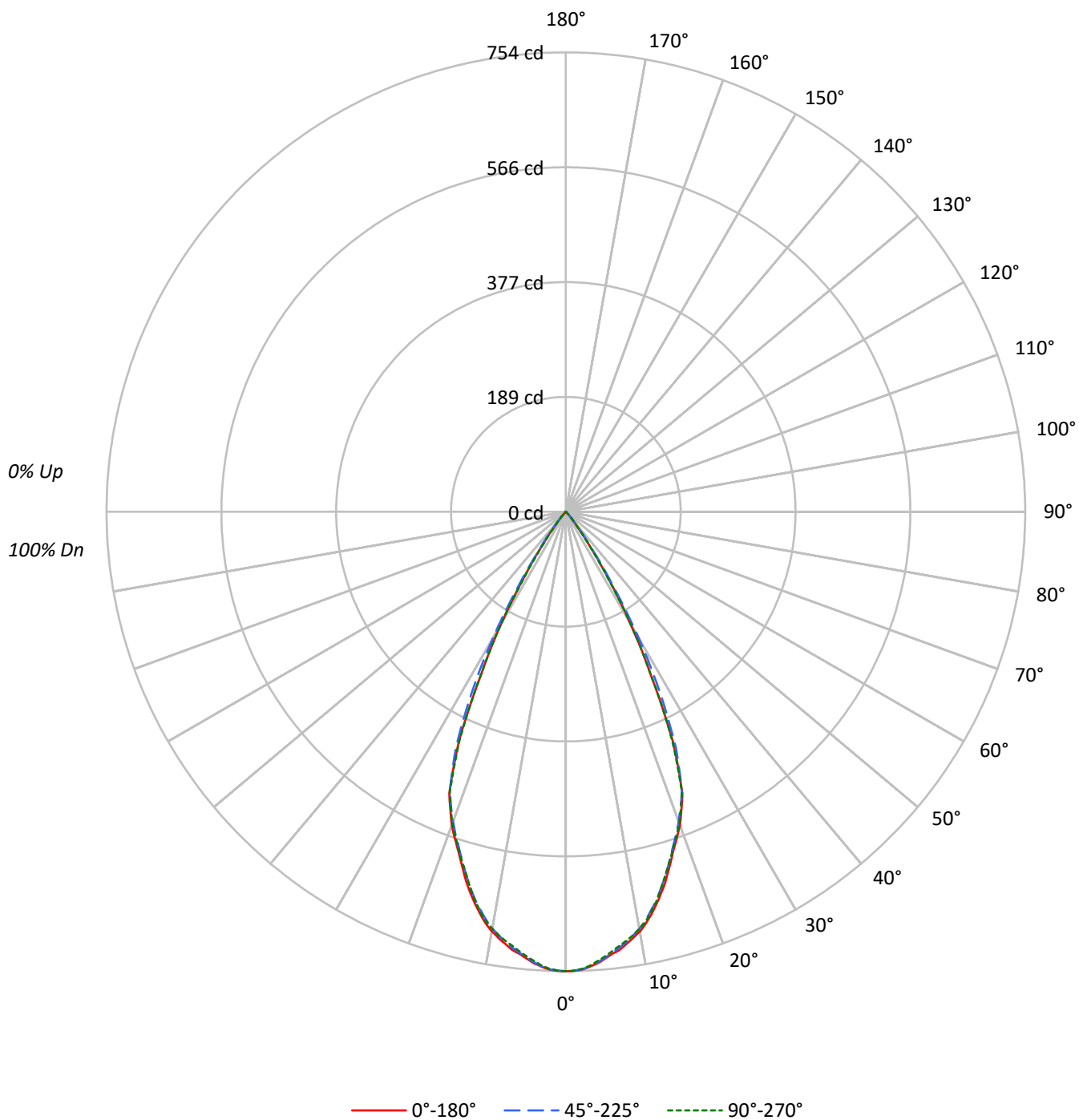
Lumens per Lamp: N/A
Luminaire Lumens: 485.9 lumens
Efficiency: N/A
Efficacy: 67.5 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	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		87
5	96	88	83	80	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	71	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°	129873	129873	129873
5°	127326	127102	126739
10°	122346	121506	121559
15°	112310	111276	111151
20°	100343	99262	99775
25°	78861	81160	78215
30°	42199	47270	42338
35°	13771	16105	12993
40°	3417	4272	3260
45°	414	1510	414
50°	268	455	268
55°	300	300	300
60°	241	241	241
65°	285	285	285
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: 1510 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.0	14.2
10°-20°	174.4	35.9
20°-30°	183.4	37.8
30°-40°	52.9	10.9
40°-50°	4.3	0.9
50°-60°	0.9	0.2
60°-70°	0.7	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°	426.8	87.8
0°-40°	479.7	98.7
0°-60°	484.8	99.8
0°-90°	485.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	485.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	754	754	754	754	754	
5°	736	736	735	736	733	69
15°	630	626	624	624	623	175
25°	415	425	427	422	412	180
35°	66	68	77	66	62	51
45°	2	3	6	3	2	3
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
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°	754.1	754.1	754.1	754.1	754.1
1°	753.8	754.5	753.1	755.5	753.4
2°	752.1	752.4	751.7	753.4	750.7
3°	747.9	748.6	747.2	748.6	746.2
4°	743.1	743.1	741.7	742.8	739.6
5°	736.5	736.2	735.2	735.9	733.1
6°	729.6	729.3	727.6	727.6	725.5
7°	724.5	722.1	720.7	720.3	718.3
8°	716.2	715.5	712.7	712.7	711.4
9°	707.9	707.2	704.1	704.8	703.8
10°	699.6	697.2	694.8	695.1	695.1
11°	688.6	686.5	683.1	684.5	685.1
12°	675.5	673.1	670.0	672.7	672.4
13°	661.0	658.9	656.5	658.6	657.9
14°	645.8	642.7	640.6	642.0	641.3
15°	629.9	625.8	624.1	624.1	623.4
17.5°	585.4	583.0	581.3	580.3	582.7
20°	547.5	545.4	541.6	542.7	544.4
22.5°	499.9	499.5	497.5	495.7	497.8
25°	415.0	425.4	427.1	422.3	411.6
27.5°	301.5	325.7	334.3	322.9	303.2
30°	212.2	223.6	237.7	215.3	212.9
32.5°	128.0	131.1	144.2	128.7	125.2
35°	65.5	68.0	76.6	65.5	61.8
37.5°	30.7	32.1	35.5	30.7	28.6
40°	15.2	16.9	19.0	15.9	14.5
42.5°	6.6	8.6	11.0	8.3	5.9
45°	1.7	3.4	6.2	3.4	1.7
47.5°	1.0	1.4	3.4	1.4	1.0
50°	1.0	1.0	1.7	1.0	1.0
52.5°	1.0	1.0	1.0	1.0	1.0
55°	1.0	1.0	1.0	1.0	1.0
57.5°	1.0	1.0	1.0	1.0	1.0
60°	0.7	1.0	0.7	1.0	0.7
62.5°	0.7	0.7	0.7	0.7	0.7
65°	0.7	0.7	0.7	0.7	0.7
67.5°	0.7	0.7	0.7	0.7	0.7
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



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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)