

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: P1311991

Luminaire Tested: P3SQAS02R459727DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311991
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R459727DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

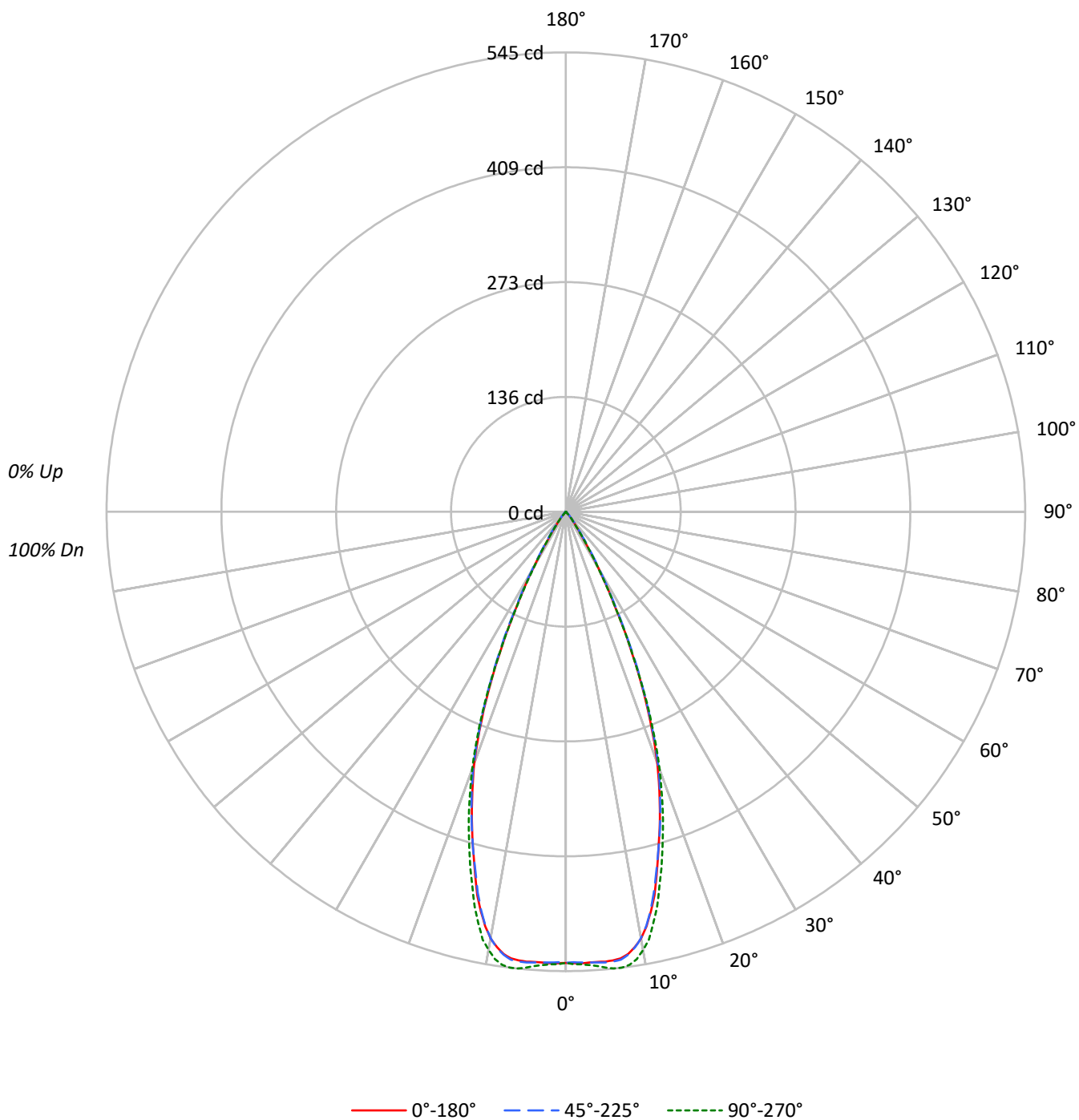
Lumens per Lamp: N/A
Luminaire Lumens: 277.0 lumens
Efficiency: N/A
Efficacy: 76.9 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	84	84	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	80	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	76	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	73	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	70	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	67	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	64	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	92174	92174	92174
5°	92629	92802	93874
10°	89888	89818	92319
15°	75331	75295	78059
20°	58227	58831	59656
25°	35706	36428	35782
30°	15313	16009	14815
35°	4815	5803	4688
40°	1664	2113	1596
45°	292	901	244
50°	161	322	161
55°	180	180	180
60°	138	138	138
65°	163	163	163
70°	101	101	101
75°	133	133	133
80°	198	198	198
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 901 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.9	18.4
10°-20°	117.5	42.4
20°-30°	86.1	31.1
30°-40°	19.0	6.9
40°-50°	2.3	0.8
50°-60°	0.5	0.2
60°-70°	0.4	0.1
70°-80°	0.2	0.1
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°	254.5	91.9
0°-40°	273.5	98.7
0°-60°	276.4	99.8
0°-90°	277.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	277.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	535	535	535	535	535	
5°	536	535	537	541	543	51
15°	422	420	422	432	438	117
25°	188	188	192	190	188	85
35°	23	24	28	24	22	18
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	535.2	535.2	535.2	535.2	535.2
1°	535.6	534.8	534.6	536.0	537.0
2°	536.0	535.0	535.2	536.6	537.2
3°	535.6	534.6	535.6	537.7	538.5
4°	535.4	535.0	536.0	538.9	540.3
5°	535.8	535.4	536.8	540.7	543.0
6°	535.2	534.6	536.6	541.5	544.8
7°	533.8	533.2	535.4	541.3	545.0
8°	529.9	528.7	530.9	538.3	542.8
9°	522.9	521.3	523.6	532.1	537.4
10°	514.0	512.1	513.6	521.9	527.9
11°	501.1	498.7	500.3	509.3	517.0
12°	484.8	481.3	483.3	493.5	499.1
13°	467.0	463.7	464.1	473.3	481.1
14°	444.9	440.7	442.5	452.1	458.2
15°	422.5	420.2	422.3	432.5	437.8
17.5°	371.0	370.8	372.7	380.2	383.1
20°	317.7	318.3	321.0	325.1	325.5
22.5°	254.6	254.8	257.7	260.6	259.9
25°	187.9	187.7	191.7	190.3	188.3
27.5°	124.6	125.4	129.1	126.4	124.4
30°	77.0	78.6	80.5	77.2	74.5
32.5°	41.7	44.3	47.0	44.1	41.5
35°	22.9	24.1	27.6	24.1	22.3
37.5°	13.3	13.9	16.1	13.9	12.7
40°	7.4	8.4	9.4	8.4	7.1
42.5°	3.1	4.7	5.7	4.7	3.1
45°	1.2	2.0	3.7	2.0	1.0
47.5°	0.6	0.8	2.2	0.8	0.6
50°	0.6	0.6	1.2	0.6	0.6
52.5°	0.6	0.6	0.6	0.6	0.6
55°	0.6	0.6	0.6	0.6	0.6
57.5°	0.6	0.6	0.6	0.6	0.6
60°	0.4	0.4	0.4	0.6	0.4
62.5°	0.4	0.4	0.4	0.4	0.4
65°	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4
70°	0.2	0.2	0.2	0.4	0.2
72.5°	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2
80°	0.2	0.2	0.2	0.2	0.2
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)