

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: P1317601

Luminaire Tested: P3SQAS02R459835DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317601
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: P3SQAS02R459835DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 3500K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

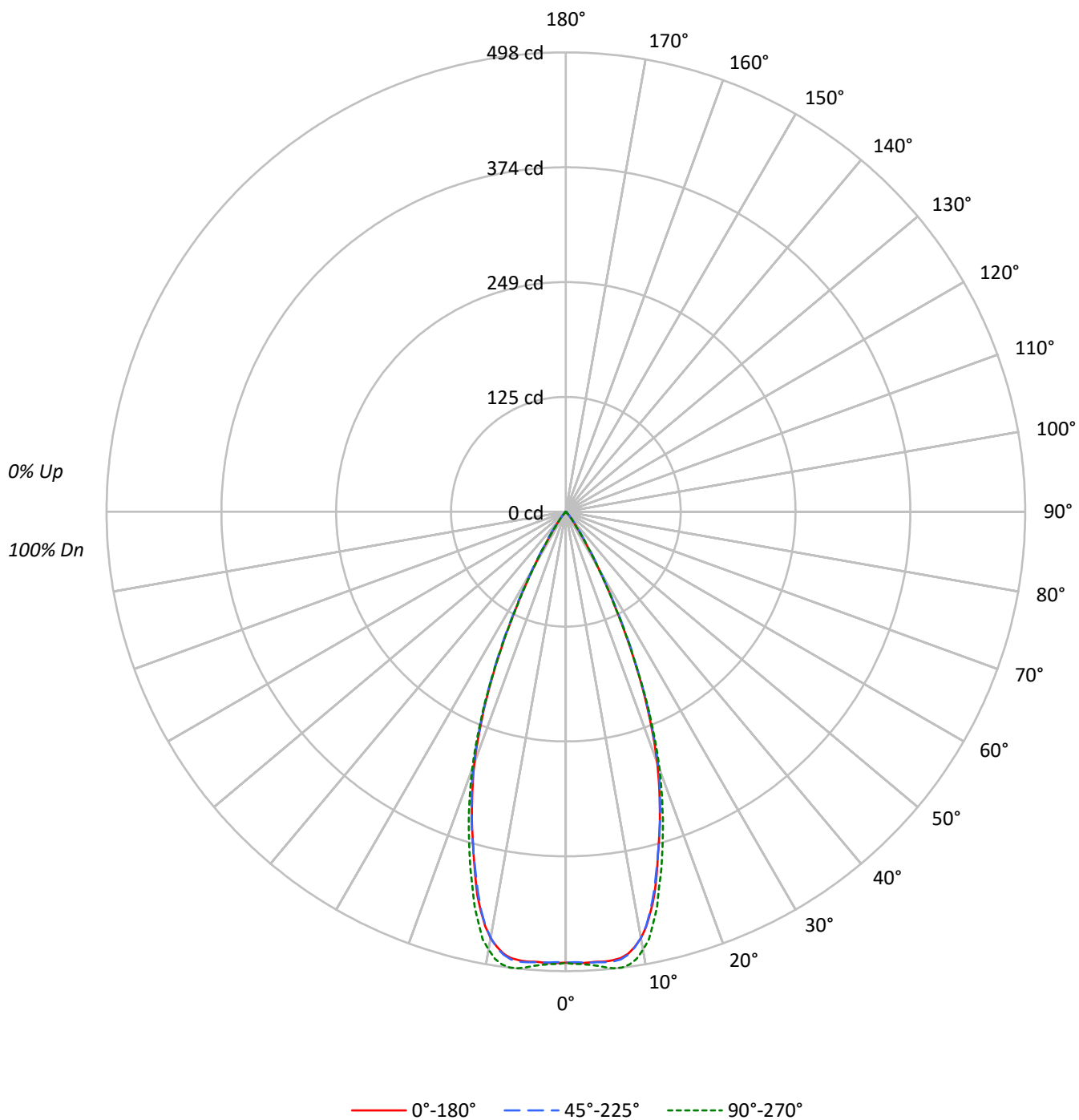
Lumens per Lamp: N/A
Luminaire Lumens: 253.1 lumens
Efficiency: N/A
Efficacy: 70.3 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	100	99	99
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	94	93
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	91	90	89
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	86	85	84
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	82	81	80
5	98	91	86	82	96	90	85	82	88	84	81	86	83	80	85	82	80	79	78	77
6	94	86	82	78	92	86	81	78	84	80	77	83	79	77	82	79	76	75	74	73
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	72	71	70
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	69	68	67
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	69	67	66	65	64
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	63	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	84182	84182	84182
5°	84608	84763	85731
10°	82088	82036	84309
15°	68805	68770	71301
20°	53187	53736	54488
25°	32609	33274	32685
30°	13980	14617	13543
35°	4394	5298	4268
40°	1506	1933	1461
45°	268	828	219
50°	161	295	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: 828 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.5	18.4
10°-20°	107.4	42.4
20°-30°	78.6	31.1
30°-40°	17.4	6.9
40°-50°	2.1	0.8
50°-60°	0.5	0.2
60°-70°	0.4	0.2
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°	232.4	91.8
0°-40°	249.8	98.7
0°-60°	252.5	99.8
0°-90°	253.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	253.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	489	489	489	489	489	
5°	489	489	490	494	496	46
15°	386	384	386	395	400	106
25°	172	171	175	174	172	78
35°	21	22	25	22	20	16
45°	1	2	3	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°	488.8	488.8	488.8	488.8	488.8
1°	489.2	488.5	488.3	489.6	490.5
2°	489.6	488.6	488.8	490.1	490.7
3°	489.2	488.3	489.2	491.1	491.8
4°	489.0	488.6	489.6	492.2	493.5
5°	489.4	489.0	490.3	493.9	495.9
6°	488.8	488.3	490.1	494.6	497.6
7°	487.5	487.0	489.0	494.4	497.8
8°	484.0	482.9	484.9	491.6	495.7
9°	477.6	476.1	478.2	486.0	490.9
10°	469.4	467.8	469.1	476.7	482.1
11°	457.7	455.4	456.9	465.1	472.2
12°	442.8	439.6	441.5	450.8	455.8
13°	426.5	423.6	423.9	432.3	439.4
14°	406.4	402.5	404.2	412.9	418.5
15°	385.9	383.8	385.7	395.0	399.9
17.5°	338.9	338.7	340.4	347.3	349.9
20°	290.2	290.8	293.2	296.9	297.3
22.5°	232.6	232.8	235.4	238.0	237.4
25°	171.6	171.4	175.1	173.8	172.0
27.5°	113.8	114.5	117.9	115.4	113.6
30°	70.3	71.8	73.5	70.5	68.1
32.5°	38.0	40.5	42.9	40.3	37.9
35°	20.9	22.0	25.2	22.0	20.3
37.5°	12.1	12.7	14.7	12.7	11.6
40°	6.7	7.6	8.6	7.6	6.5
42.5°	2.8	4.3	5.2	4.3	2.8
45°	1.1	1.9	3.4	1.9	0.9
47.5°	0.6	0.7	2.1	0.7	0.6
50°	0.6	0.6	1.1	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)