

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: P1315849

Luminaire Tested: P3SQAS02R459827DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315849
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: P3SQAS02R459827DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

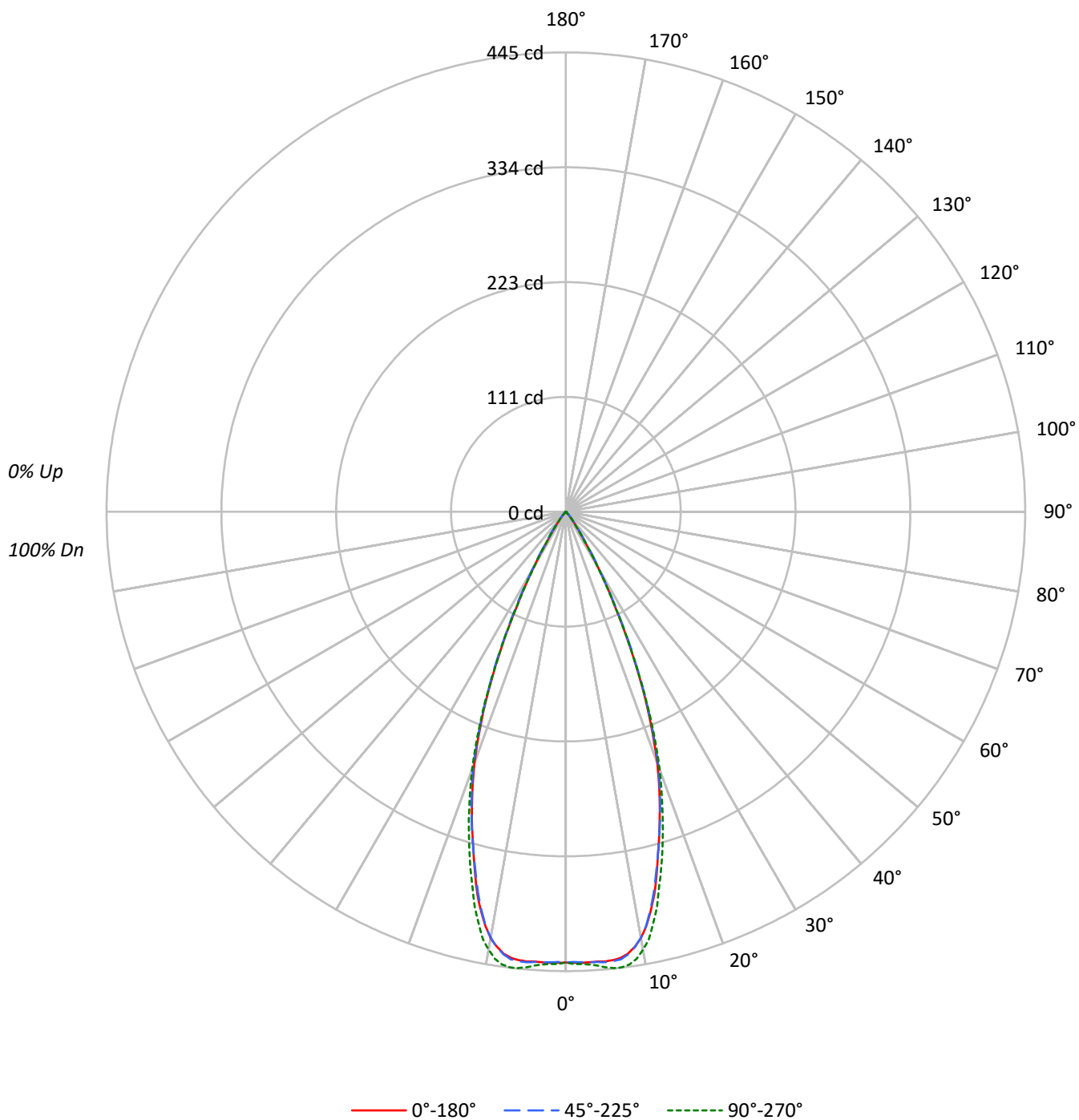
Lumens per Lamp: N/A
Luminaire Lumens: 226.0 lumens
Efficiency: N/A
Efficacy: 62.8 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	75210	75210	75210
5°	75583	75722	76586
10°	73327	73274	75321
15°	61459	61424	63688
20°	47505	48000	48678
25°	29131	29720	29188
30°	12489	13046	12091
35°	3932	4731	3826
40°	1349	1731	1304
45°	244	731	195
50°	134	268	134
55°	150	150	150
60°	103	103	103
65°	122	122	122
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: 731 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.5	18.4
10°-20°	95.9	42.4
20°-30°	70.2	31.1
30°-40°	15.5	6.9
40°-50°	1.9	0.8
50°-60°	0.4	0.2
60°-70°	0.3	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°	207.6	91.9
0°-40°	223.1	98.7
0°-60°	225.5	99.8
0°-90°	226.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	226.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	437	437	437	437	437	
5°	437	437	438	441	443	41
15°	345	343	344	353	357	95
25°	153	153	156	155	154	69
35°	19	20	22	20	18	15
45°	1	2	3	2	1	1
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°	436.7	436.7	436.7	436.7	436.7
1°	437.0	436.3	436.2	437.3	438.2
2°	437.3	436.5	436.7	437.8	438.3
3°	437.0	436.2	437.0	438.7	439.3
4°	436.8	436.5	437.3	439.7	440.8
5°	437.2	436.8	438.0	441.2	443.0
6°	436.7	436.2	437.8	441.8	444.5
7°	435.5	435.0	436.8	441.7	444.7
8°	432.3	431.3	433.2	439.2	442.8
9°	426.7	425.3	427.2	434.2	438.5
10°	419.3	417.8	419.0	425.8	430.7
11°	408.8	406.8	408.2	415.5	421.8
12°	395.5	392.7	394.3	402.7	407.2
13°	381.0	378.4	378.7	386.2	392.5
14°	363.0	359.5	361.0	368.9	373.9
15°	344.7	342.9	344.5	352.9	357.2
17.5°	302.7	302.5	304.0	310.2	312.5
20°	259.2	259.7	261.9	265.2	265.6
22.5°	207.8	207.9	210.3	212.6	212.1
25°	153.3	153.1	156.4	155.3	153.6
27.5°	101.6	102.3	105.3	103.1	101.5
30°	62.8	64.1	65.6	63.0	60.8
32.5°	34.0	36.2	38.3	36.0	33.8
35°	18.7	19.7	22.5	19.7	18.2
37.5°	10.8	11.3	13.2	11.3	10.3
40°	6.0	6.8	7.7	6.8	5.8
42.5°	2.5	3.8	4.7	3.8	2.5
45°	1.0	1.7	3.0	1.7	0.8
47.5°	0.5	0.7	1.8	0.7	0.5
50°	0.5	0.5	1.0	0.5	0.5
52.5°	0.5	0.5	0.5	0.5	0.5
55°	0.5	0.5	0.5	0.5	0.5
57.5°	0.5	0.5	0.5	0.5	0.5
60°	0.3	0.3	0.3	0.5	0.3
62.5°	0.3	0.3	0.3	0.3	0.3
65°	0.3	0.3	0.3	0.3	0.3
67.5°	0.3	0.3	0.3	0.3	0.3
70°	0.2	0.2	0.2	0.3	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)