

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: P1313071

Luminaire Tested: P3SQAS05R259730DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313071
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-35)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R259730DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

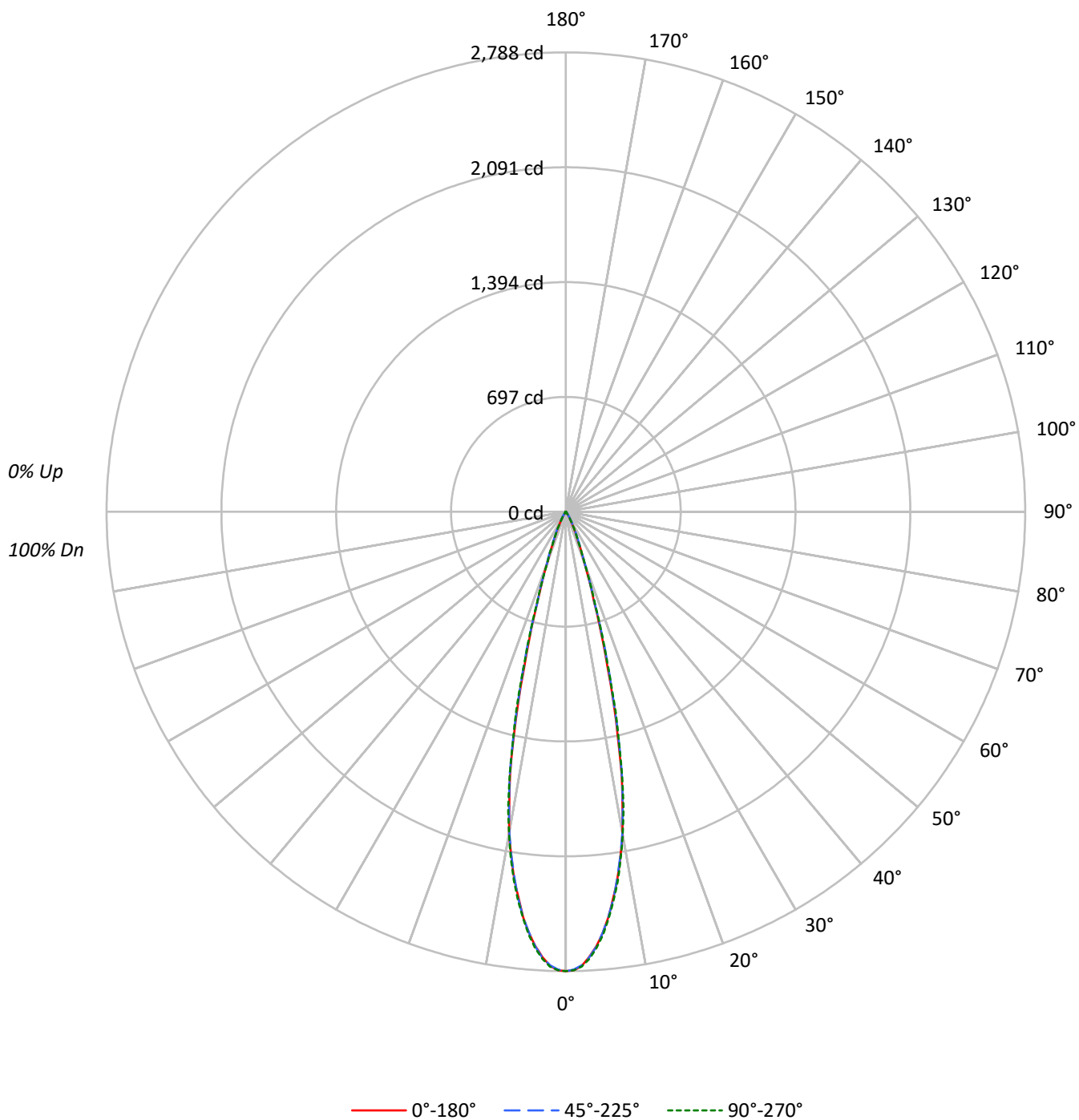
Lumens per Lamp: N/A
Luminaire Lumens: 588.9 lumens
Efficiency: N/A
Efficacy: 81.8 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	115	113	111	110	113	111	109	108	107	106	105		103	102	102		100
2	112	108	105	103	110	107	104	102	103	101	100		101	99	97		98
3	108	104	100	98	107	103	99	97	100	98	95		98	96	94		96
4	105	100	96	93	104	99	96	93	97	94	92		95	93	91		94
5	102	97	93	90	101	96	92	90	94	91	89		93	90	88		91
6	100	94	90	87	98	93	89	87	92	88	86		91	88	86		89
7	97	91	87	84	96	90	87	84	89	86	84		88	85	83		87
8	95	88	84	82	94	88	84	82	87	84	81		86	83	81		85
9	92	86	82	80	91	86	82	79	85	82	79		84	81	79		83
10	90	84	80	78	89	84	80	77	83	80	77		82	79	77		82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	480174	480174	480174
5°	443525	443369	445842
10°	346454	345509	347870
15°	174286	181579	181418
20°	59638	61287	60298
25°	23962	26946	24989
30°	9725	11594	9466
35°	2838	5088	2838
40°	1304	2226	1304
45°	438	877	438
50°	241	348	241
55°	270	270	270
60°	310	310	310
65°	163	163	163
70°	201	201	201
75°	266	266	266
80°	0	397	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 877 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.2	38.4
10°-20°	276.9	47.0
20°-30°	67.6	11.5
30°-40°	14.0	2.4
40°-50°	2.4	0.4
50°-60°	0.8	0.1
60°-70°	0.6	0.1
70°-80°	0.4	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°	570.7	96.9
0°-40°	584.7	99.3
0°-60°	587.9	99.8
0°-90°	588.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	588.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2788	2788	2788	2788	2788	
5°	2566	2568	2565	2570	2579	226
15°	978	994	1018	1023	1018	273
25°	126	132	142	134	132	65
35°	14	19	24	18	14	12
45°	2	3	4	3	2	2
55°	1	1	1	1	1	1
65°	0	1	0	0	0	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°	2788.1	2788.1	2788.1	2788.1	2788.1
1°	2782.7	2779.1	2778.2	2778.7	2783.2
2°	2757.6	2755.3	2754.9	2756.2	2762.5
3°	2706.4	2709.1	2710.0	2714.5	2717.6
4°	2643.6	2649.0	2646.7	2652.1	2655.7
5°	2565.5	2567.7	2564.6	2570.0	2578.9
6°	2474.4	2466.3	2473.9	2476.2	2482.4
7°	2360.8	2362.6	2365.3	2368.0	2377.4
8°	2249.1	2243.7	2242.3	2254.9	2262.5
9°	2118.4	2119.3	2114.4	2128.8	2131.0
10°	1981.1	1969.9	1975.7	1986.9	1989.2
11°	1799.8	1796.6	1805.2	1822.7	1836.6
12°	1629.7	1631.5	1640.5	1646.3	1643.1
13°	1404.8	1418.3	1429.5	1435.3	1427.7
14°	1201.5	1201.5	1215.9	1218.1	1245.5
15°	977.5	994.1	1018.4	1022.9	1017.5
17.5°	564.6	566.9	578.5	578.1	586.6
20°	325.4	328.5	334.4	333.0	329.0
22.5°	195.7	202.4	216.3	205.1	202.0
25°	126.1	132.0	141.8	133.7	131.5
27.5°	79.0	83.0	90.7	83.5	79.9
30°	48.9	51.2	58.3	51.6	47.6
32.5°	26.5	32.3	38.2	32.3	26.5
35°	13.5	18.9	24.2	18.4	13.5
37.5°	9.0	10.8	15.7	10.3	9.0
40°	5.8	7.2	9.9	7.2	5.8
42.5°	3.1	4.5	5.4	4.9	3.1
45°	1.8	2.7	3.6	2.7	1.8
47.5°	1.3	1.3	2.2	1.3	0.9
50°	0.9	0.9	1.3	0.9	0.9
52.5°	0.9	0.9	0.9	0.9	0.9
55°	0.9	0.9	0.9	0.9	0.9
57.5°	0.9	0.9	0.9	0.9	0.9
60°	0.9	0.9	0.9	0.9	0.9
62.5°	0.9	0.9	0.9	0.9	0.9
65°	0.4	0.9	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4
77.5°	0.4	0.4	0.4	0.4	0.4
80°	0.0	0.0	0.4	0.0	0.0
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)