

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: P1317509

Luminaire Tested: P3SQAS02R159835DE010 E3SQCD1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317509
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R159835DE010 E3SQCD1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 98CRI , E3SQCD1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

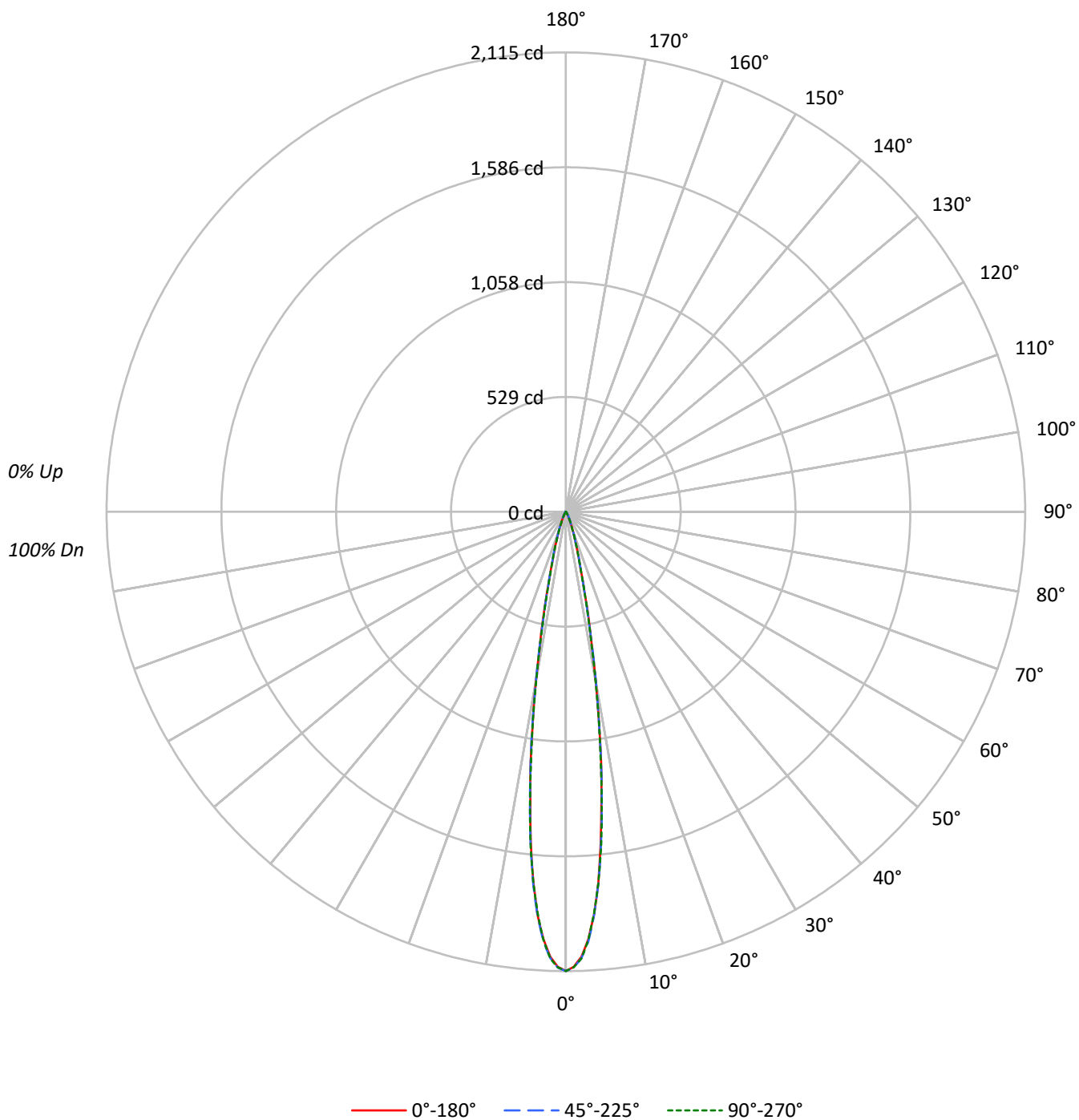
Lumens per Lamp: N/A
Luminaire Lumens: 236.0 lumens
Efficiency: N/A
Efficacy: 65.6 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1317509

CATALOG NUMBER: P3SQAS02R159835DE010 E3SQCD1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1317509

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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	116	114	112	111	113	112	110	109	108	107	106		104	103	102		101
2	113	109	107	105	111	108	106	104	105	103	101		102	101	99		99
3	110	106	103	100	108	105	102	100	102	100	98		100	98	97		98
4	107	103	99	97	106	102	99	96	100	97	95		98	96	94		96
5	105	100	97	94	104	99	96	94	98	95	93		96	94	92		95
6	103	97	94	92	102	97	94	91	96	93	91		94	92	90		93
7	101	95	92	90	100	95	92	89	94	91	89		93	90	88		92
8	99	93	90	88	98	93	90	88	92	89	87		91	89	87		90
9	97	92	88	86	96	91	88	86	90	88	86		90	87	85		89
10	95	90	87	84	95	90	86	84	89	86	84		88	86	84		88

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	364182	364182	364182
5°	296507	297475	296888
10°	138312	139554	137788
15°	43433	43808	43540
20°	17210	17888	16660
25°	6955	8399	6708
30°	2784	3818	2645
35°	820	1682	778
40°	247	629	202
45°	49	146	49
50°	0	54	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 146 cd/sqm

TEST NUMBER: P1317509

CATALOG NUMBER: P3SQAS02R159835DE010 E3SQCD1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.4	56.1
10°-20°	79.2	33.6
20°-30°	20.0	8.5
30°-40°	4.1	1.7
40°-50°	0.4	0.2
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	231.5	98.1
0°-40°	235.6	99.8
0°-60°	236.0	100.0
0°-90°	236.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	236.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2115	2115	2115	2115	2115	
5°	1715	1712	1721	1716	1717	132
15°	244	246	246	242	244	79
25°	37	40	44	39	35	19
35°	4	5	8	5	4	3
45°	0	0	1	0	0	0
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°	2114.6	2114.6	2114.6	2114.6	2114.6
1°	2095.5	2102.6	2098.9	2101.9	2098.5
2°	2050.2	2059.7	2056.7	2055.8	2058.4
3°	1970.3	1981.3	1980.9	1978.1	1973.6
4°	1861.2	1856.8	1863.7	1862.9	1855.3
5°	1715.1	1711.9	1720.7	1716.4	1717.3
6°	1536.3	1550.1	1547.1	1547.5	1551.0
7°	1344.2	1351.6	1358.0	1363.2	1355.9
8°	1167.8	1165.9	1166.5	1172.4	1152.3
9°	970.3	981.9	974.4	962.4	970.1
10°	790.9	798.0	798.0	787.5	787.9
11°	630.6	636.3	632.2	634.9	618.4
12°	508.3	493.9	490.6	493.2	493.0
13°	388.1	389.0	388.1	387.9	386.0
14°	304.3	309.1	307.1	302.0	299.8
15°	243.6	245.7	245.7	242.1	244.2
17.5°	146.3	148.8	149.3	146.9	146.9
20°	93.9	95.0	97.6	94.1	90.9
22.5°	57.9	60.3	64.8	59.5	56.9
25°	36.6	39.9	44.2	39.2	35.3
27.5°	23.0	25.8	29.5	24.6	22.2
30°	14.0	15.9	19.2	15.5	13.3
32.5°	7.8	9.3	12.1	9.0	7.5
35°	3.9	5.2	8.0	5.0	3.7
37.5°	2.2	2.8	5.0	2.4	2.1
40°	1.1	1.5	2.8	1.5	0.9
42.5°	0.4	0.7	1.1	0.7	0.4
45°	0.2	0.4	0.6	0.4	0.2
47.5°	0.0	0.0	0.2	0.0	0.0
50°	0.0	0.0	0.2	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	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



TEST NUMBER: P1317509

CATALOG NUMBER: P3SQAS02R159835DE010 E3SQCD1MMS

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)