

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: P1317070

Luminaire Tested: P3SQAS13R159830DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317070
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: P3SQAS13R159830DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 98CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

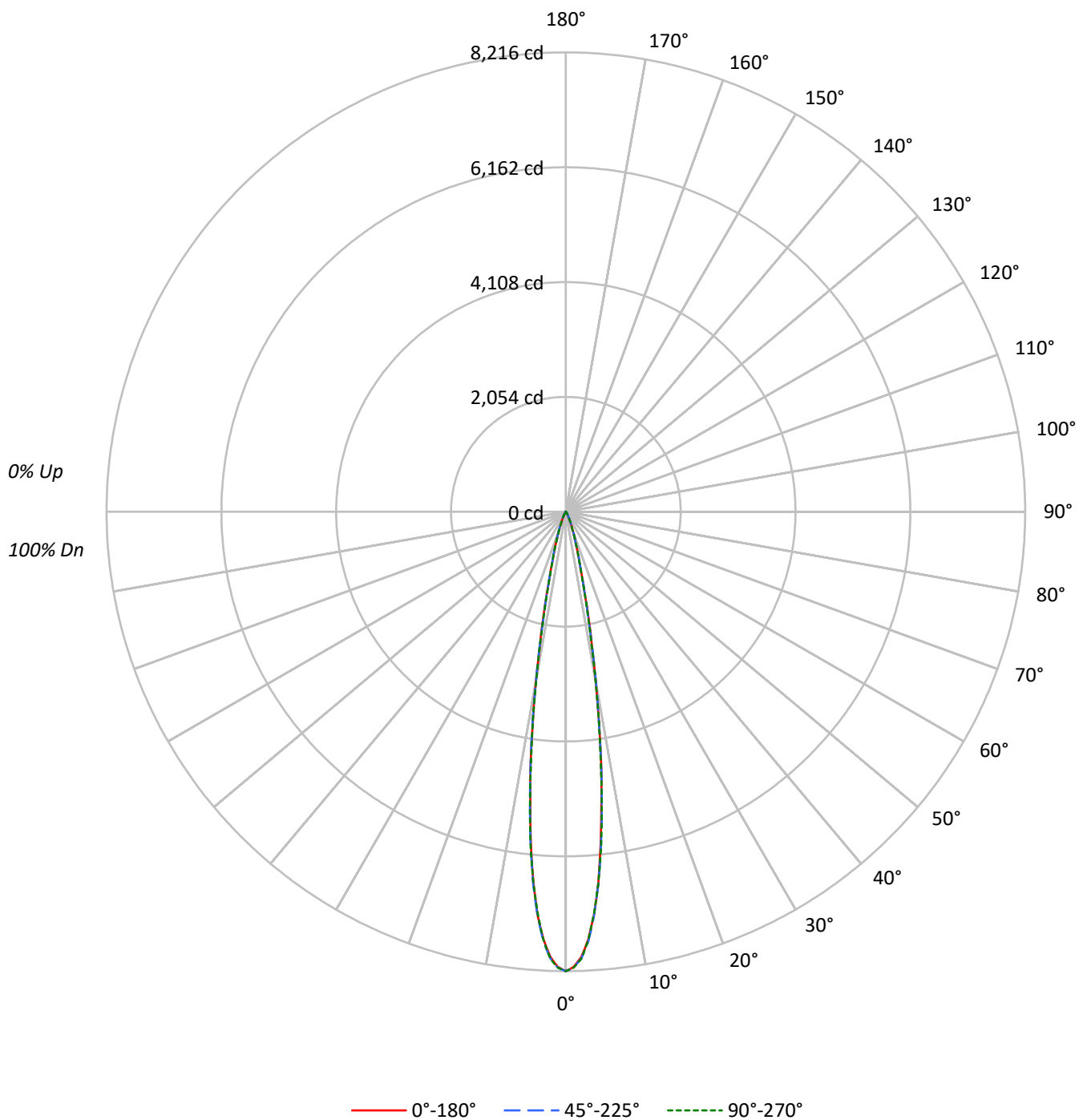
Lumens per Lamp: N/A
Luminaire Lumens: 917.0 lumens
Efficiency: N/A
Efficacy: 63.2 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	95	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	91	91	90
6	103	97	94	92	102	97	94	91	96	93	91	94	92	90	93	91	90	90	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	88	92	90	88	88	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	90	88	87	87	87	86
9	97	91	88	86	96	91	88	86	90	88	86	90	87	85	89	87	85	85	85	84
10	95	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	84	84	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1415033	1415033	1415033
5°	1152093	1155862	1153597
10°	537422	542249	535393
15°	168759	170185	169151
20°	66859	69516	64733
25°	27022	32666	26053
30°	10818	14855	10242
35°	3196	6560	3049
40°	989	2451	809
45°	170	536	170
50°	0	188	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: 536 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	514.4	56.1
10°-20°	307.7	33.6
20°-30°	77.6	8.5
30°-40°	15.8	1.7
40°-50°	1.5	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°	899.7	98.1
0°-40°	915.5	99.8
0°-60°	917.0	100.0
0°-90°	917.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	917.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8216	8216	8216	8216	8216	
5°	6664	6652	6686	6669	6673	513
15°	946	954	954	941	949	308
25°	142	155	172	152	137	73
35°	15	20	31	20	14	13
45°	1	2	2	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°	8216.3	8216.3	8216.3	8216.3	8216.3
1°	8142.3	8169.9	8155.4	8167.0	8153.9
2°	7966.1	8003.0	7991.4	7987.8	7998.0
3°	7655.6	7698.4	7697.0	7686.1	7668.7
4°	7232.0	7214.6	7241.5	7238.6	7208.8
5°	6664.1	6651.8	6685.9	6669.2	6672.8
6°	5969.3	6023.0	6011.4	6012.8	6026.6
7°	5222.9	5252.0	5276.6	5296.9	5268.6
8°	4537.5	4530.3	4532.4	4555.7	4477.3
9°	3770.2	3815.1	3786.1	3739.7	3769.4
10°	3073.1	3100.7	3100.7	3060.1	3061.5
11°	2450.1	2472.6	2456.6	2466.8	2402.9
12°	1975.0	1919.2	1906.1	1916.3	1915.5
13°	1507.9	1511.5	1507.9	1507.2	1499.9
14°	1182.3	1201.1	1193.1	1173.5	1164.8
15°	946.5	954.5	954.5	940.7	948.7
17.5°	568.6	578.1	580.2	570.8	570.8
20°	364.8	369.2	379.3	365.6	353.2
22.5°	224.8	234.3	251.7	231.4	221.2
25°	142.2	155.2	171.9	152.3	137.1
27.5°	89.2	100.1	114.6	95.7	86.3
30°	54.4	61.7	74.7	60.2	51.5
32.5°	30.5	36.3	47.1	34.8	29.0
35°	15.2	20.3	31.2	19.6	14.5
37.5°	8.7	10.9	19.6	9.4	8.0
40°	4.4	5.8	10.9	5.8	3.6
42.5°	1.5	2.9	4.4	2.9	1.5
45°	0.7	1.5	2.2	1.5	0.7
47.5°	0.0	0.0	0.7	0.0	0.0
50°	0.0	0.0	0.7	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



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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)