

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: P1307001

Luminaire Tested: P3SQAS17R159027DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307001
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R159027DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

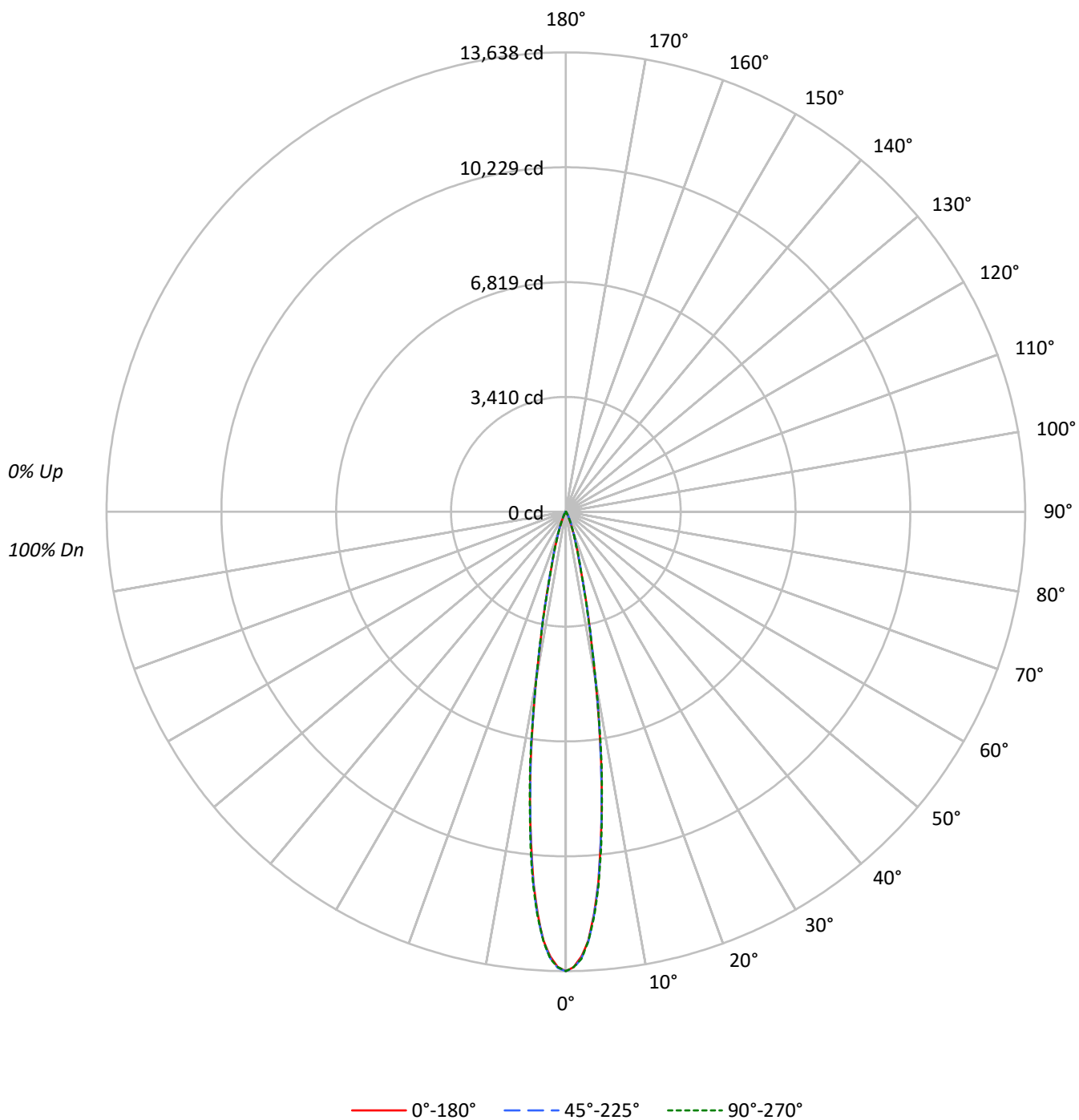
Lumens per Lamp: N/A
Luminaire Lumens: 1531.0 lumens
Efficiency: N/A
Efficacy: 72.2 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	116	114	112	111	113	112	110	109	108	107	105		104	103	102		101
2	112	109	107	105	110	108	105	103	105	103	101		102	100	99		99
3	110	106	103	100	108	104	102	99	102	100	98		100	98	96		98
4	107	102	99	97	106	101	98	96	100	97	95		98	96	94		96
5	105	100	96	94	103	99	96	93	97	95	93		96	94	92		95
6	102	97	94	91	101	97	93	91	95	92	90		94	92	90		93
7	100	95	92	89	99	94	91	89	93	91	89		92	90	88		92
8	98	93	90	87	98	93	89	87	92	89	87		91	88	87		90
9	97	91	88	86	96	91	88	85	90	87	85		89	87	85		89
10	95	89	86	84	94	89	86	84	89	86	84		88	85	84		87

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2348738	2348738	2348738
5°	1909863	1916501	1923157
10°	889454	890294	885450
15°	275203	285063	279696
20°	109709	115885	108389
25°	45910	54139	43630
30°	18654	24858	17222
35°	6076	11374	5550
40°	2158	4586	2158
45°	877	1461	877
50°	643	965	643
55°	721	721	721
60°	827	827	827
65°	489	489	489
70°	604	604	604
75°	799	799	799
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1461 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	853.6	55.8
10°-20°	510.4	33.3
20°-30°	129.9	8.5
30°-40°	28.2	1.8
40°-50°	4.5	0.3
50°-60°	2.2	0.1
60°-70°	1.3	0.1
70°-80°	0.8	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°	1493.9	97.6
0°-40°	1522.1	99.4
0°-60°	1528.9	99.9
0°-90°	1531.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1531.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13638	13638	13638	13638	13638	
5°	11047	11063	11086	11035	11124	852
15°	1544	1587	1599	1576	1569	508
25°	242	258	285	252	230	123
35°	29	37	54	36	26	23
45°	4	5	6	5	4	3
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
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°	13637.8	13637.8	13637.8	13637.8	13637.8
1°	13518.8	13541.6	13545.2	13541.6	13522.4
2°	13214.6	13281.9	13267.5	13238.7	13279.5
3°	12744.6	12778.3	12773.5	12775.9	12766.2
4°	11980.1	12039.0	12005.3	12030.6	12033.0
5°	11047.3	11062.9	11085.7	11035.2	11124.2
6°	9899.3	9999.0	9911.3	9997.8	10032.7
7°	8732.0	8789.7	8677.9	8738.0	8774.1
8°	7538.3	7437.4	7498.7	7499.9	7618.9
9°	6249.7	6270.1	6321.8	6262.9	6314.6
10°	5086.1	5132.9	5090.9	5070.4	5063.2
11°	4016.2	4069.1	4065.5	4071.5	4031.8
12°	3231.2	3203.6	3221.6	3162.7	3189.2
13°	2514.8	2516.0	2501.6	2477.5	2455.9
14°	1970.2	1958.2	1991.9	1961.8	1934.2
15°	1543.5	1586.8	1598.8	1575.9	1568.7
17.5°	952.1	953.3	970.1	948.5	946.0
20°	598.6	613.1	632.3	609.5	591.4
22.5°	378.7	391.9	421.9	393.1	367.8
25°	241.6	258.5	284.9	252.4	229.6
27.5°	151.5	167.1	192.3	162.3	145.5
30°	93.8	104.6	125.0	102.2	86.6
32.5°	54.1	64.9	81.7	61.3	51.7
35°	28.9	37.3	54.1	36.1	26.4
37.5°	16.8	21.6	34.9	19.2	15.6
40°	9.6	13.2	20.4	12.0	9.6
42.5°	6.0	8.4	9.6	7.2	4.8
45°	3.6	4.8	6.0	4.8	3.6
47.5°	2.4	3.6	4.8	2.4	2.4
50°	2.4	2.4	3.6	2.4	2.4
52.5°	2.4	2.4	2.4	2.4	2.4
55°	2.4	2.4	2.4	2.4	2.4
57.5°	2.4	2.4	2.4	2.4	2.4
60°	2.4	2.4	2.4	2.4	2.4
62.5°	1.2	1.2	1.2	1.2	1.2
65°	1.2	1.2	1.2	1.2	1.2
67.5°	1.2	1.2	1.2	1.2	1.2
70°	1.2	1.2	1.2	1.2	1.2
72.5°	1.2	1.2	1.2	1.2	1.2
75°	1.2	1.2	1.2	1.2	1.2
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)