

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: P1309079

Luminaire Tested: P3SQAS13R159035DE010 E3SQCD1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309079
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: P3SQAS13R159035DE010 E3SQCD1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 90CRI , E3SQCD1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

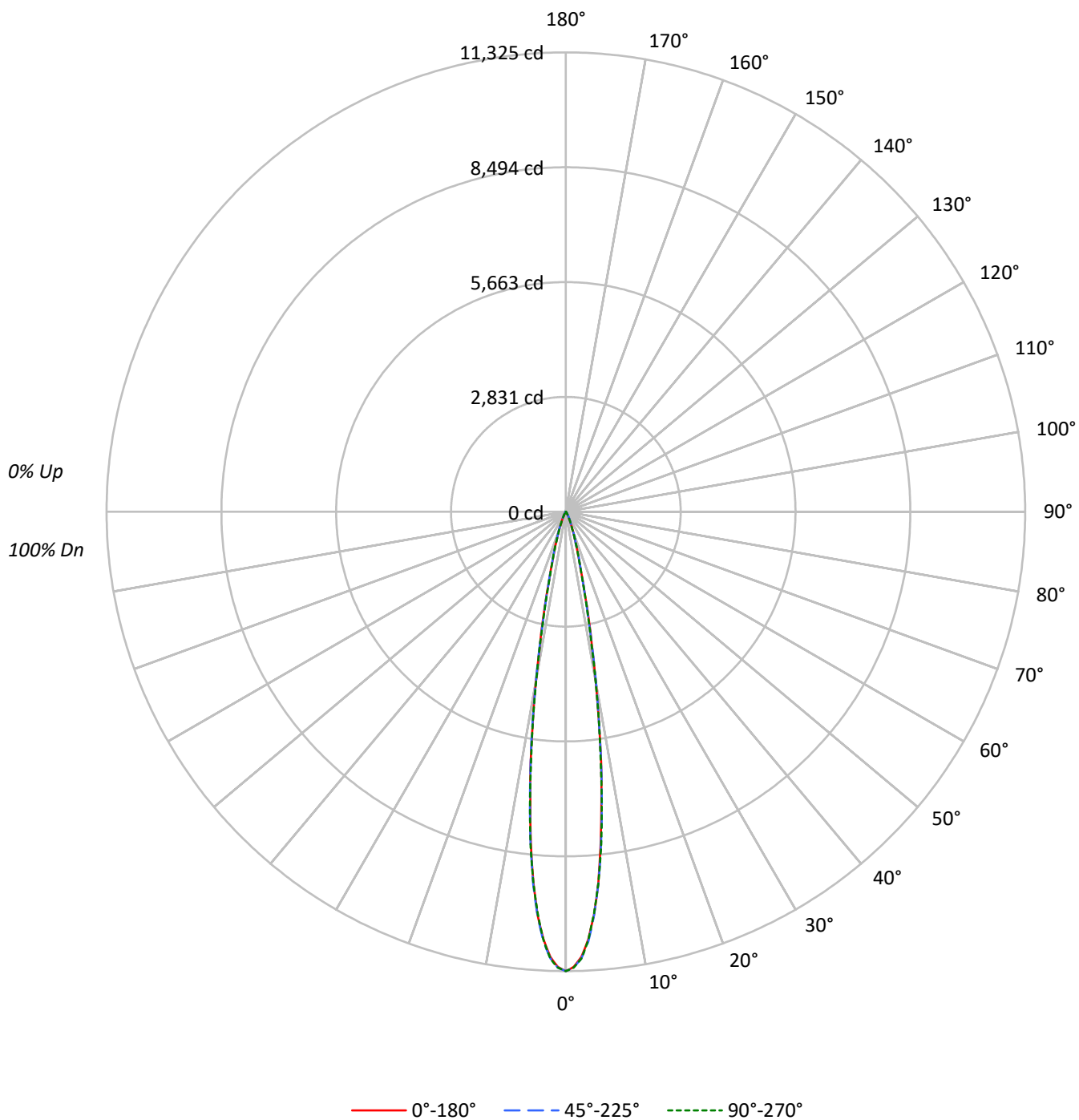
Lumens per Lamp: N/A
Luminaire Lumens: 1264.0 lumens
Efficiency: N/A
Efficacy: 86.6 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	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	91	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°	1950490	1950490	1950490
5°	1588063	1593249	1590138
10°	740789	747435	737991
15°	232625	234587	233160
20°	92169	95835	89237
25°	37245	45017	35915
30°	14915	20483	14119
35°	4415	9041	4205
40°	1349	3372	1124
45°	244	731	244
50°	0	268	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: 731 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	709.1	56.1
10°-20°	424.1	33.6
20°-30°	107.0	8.5
30°-40°	21.8	1.7
40°-50°	2.0	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°	1240.1	98.1
0°-40°	1262.0	99.8
0°-60°	1264.0	100.0
0°-90°	1264.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1264.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11325	11325	11325	11325	11325	
5°	9186	9169	9216	9193	9198	707
15°	1305	1316	1316	1297	1308	424
25°	196	214	237	210	189	101
35°	21	28	43	27	20	17
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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11325.4	11325.4	11325.4	11325.4	11325.4
1°	11223.4	11261.4	11241.4	11257.4	11239.4
2°	10980.5	11031.5	11015.5	11010.5	11024.5
3°	10552.6	10611.6	10609.6	10594.6	10570.6
4°	9968.7	9944.7	9981.7	9977.7	9936.7
5°	9185.9	9168.9	9215.9	9192.9	9197.9
6°	8228.1	8302.1	8286.1	8288.1	8307.1
7°	7199.3	7239.3	7273.3	7301.3	7262.3
8°	6254.6	6244.6	6247.6	6279.6	6171.6
9°	5196.8	5258.8	5218.8	5154.8	5195.8
10°	4236.0	4274.0	4274.0	4218.0	4220.0
11°	3377.2	3408.2	3386.2	3400.2	3312.2
12°	2722.4	2645.4	2627.4	2641.4	2640.4
13°	2078.5	2083.5	2078.5	2077.5	2067.5
14°	1629.6	1655.6	1644.6	1617.6	1605.6
15°	1304.7	1315.7	1315.7	1296.7	1307.7
17.5°	783.8	796.8	799.8	786.8	786.8
20°	502.9	508.9	522.9	503.9	486.9
22.5°	309.9	322.9	346.9	318.9	304.9
25°	196.0	214.0	236.9	210.0	189.0
27.5°	123.0	138.0	158.0	132.0	119.0
30°	75.0	85.0	103.0	83.0	71.0
32.5°	42.0	50.0	65.0	48.0	40.0
35°	21.0	28.0	43.0	27.0	20.0
37.5°	12.0	15.0	27.0	13.0	11.0
40°	6.0	8.0	15.0	8.0	5.0
42.5°	2.0	4.0	6.0	4.0	2.0
45°	1.0	2.0	3.0	2.0	1.0
47.5°	0.0	0.0	1.0	0.0	0.0
50°	0.0	0.0	1.0	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)