

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: P1312391

Luminaire Tested: P3SQAS13R159727DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312391
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: P3SQAS13R159727DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 97CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

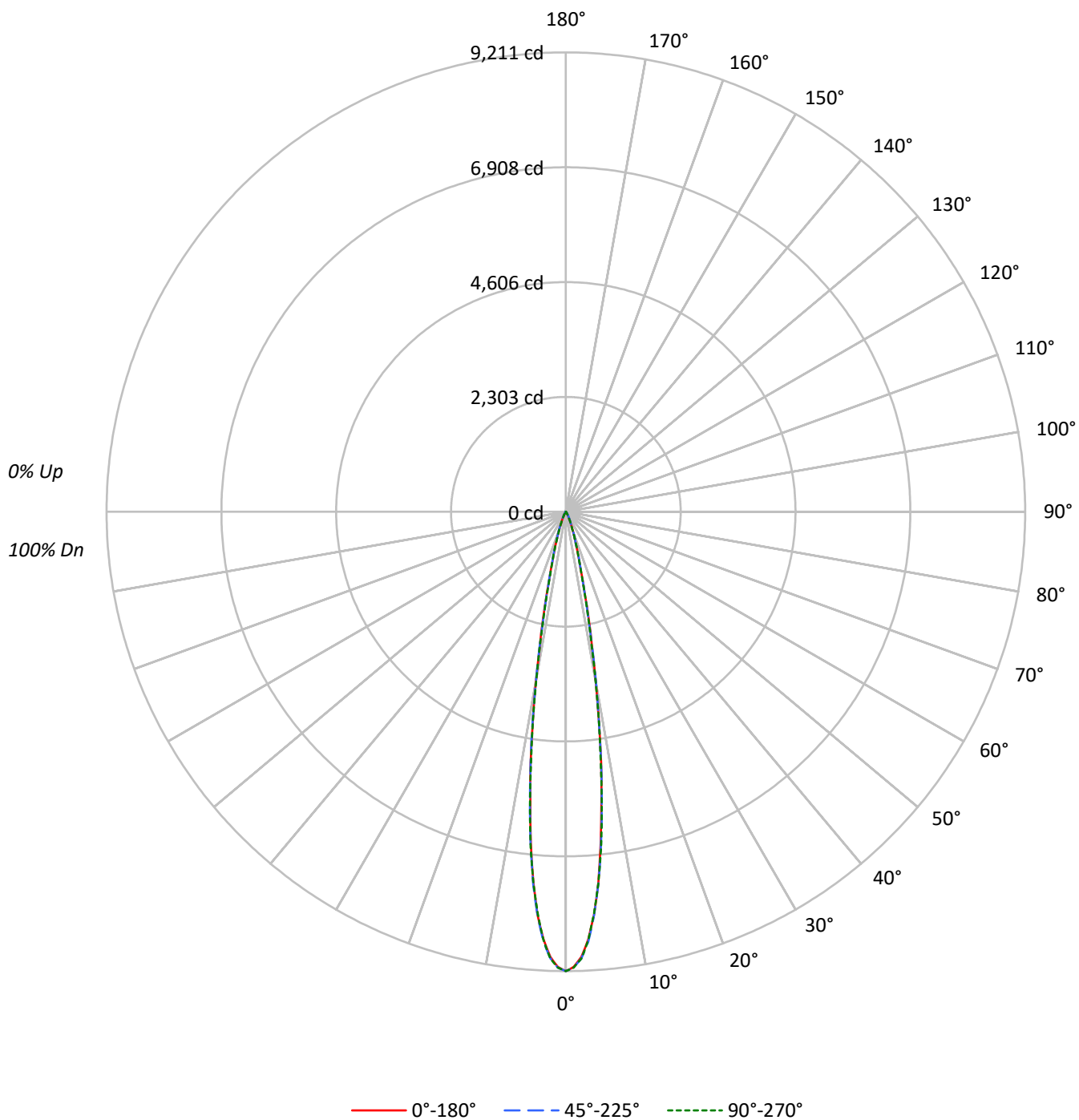
Lumens per Lamp: N/A
Luminaire Lumens: 1028.0 lumens
Efficiency: N/A
Efficacy: 70.4 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106		104	103	102		101	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101		102	101	99		99	98	97	96
3	110	106	103	100	108	105	102	100	102	100	98		100	98	97		98	96	95	94
4	107	103	99	97	106	102	99	96	100	97	95		98	96	94		96	95	93	92
5	105	100	97	94	104	99	96	94	98	95	93		96	94	92		95	93	91	90
6	103	97	94	92	102	97	94	91	96	93	91		94	92	90		93	91	90	89
7	101	95	92	90	100	95	92	89	94	91	89		93	90	88		92	90	88	87
8	99	93	90	88	98	93	90	88	92	89	87		91	89	87		90	88	87	86
9	97	91	88	86	96	91	88	86	90	88	86		90	87	85		89	87	85	84
10	95	90	87	84	95	90	86	84	89	86	84		88	86	84		88	85	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1586308	1586308	1586308
5°	1291556	1295774	1293250
10°	602477	607881	600204
15°	189192	190779	189620
20°	74960	77947	72577
25°	30290	36618	29207
30°	12131	16645	11475
35°	3595	7359	3427
40°	1102	2743	922
45°	195	585	195
50°	0	214	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: 585 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	576.7	56.1
10°-20°	344.9	33.6
20°-30°	87.0	8.5
30°-40°	17.8	1.7
40°-50°	1.6	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°	1008.6	98.1
0°-40°	1026.3	99.8
0°-60°	1028.0	100.0
0°-90°	1028.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1028.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9211	9211	9211	9211	9211	
5°	7471	7457	7495	7476	7481	575
15°	1061	1070	1070	1055	1064	345
25°	159	174	193	171	154	82
35°	17	23	35	22	16	14
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°	9210.8	9210.8	9210.8	9210.8	9210.8
1°	9127.9	9158.8	9142.5	9155.6	9140.9
2°	8930.3	8971.8	8958.8	8954.7	8966.1
3°	8582.3	8630.3	8628.7	8616.5	8596.9
4°	8107.5	8087.9	8118.0	8114.8	8081.4
5°	7470.8	7457.0	7495.2	7476.5	7480.6
6°	6691.8	6752.0	6739.0	6740.6	6756.1
7°	5855.2	5887.7	5915.3	5938.1	5906.4
8°	5086.8	5078.6	5081.1	5107.1	5019.3
9°	4226.5	4276.9	4244.4	4192.4	4225.7
10°	3445.1	3476.0	3476.0	3430.5	3432.1
11°	2746.7	2771.9	2754.0	2765.4	2693.8
12°	2214.1	2151.5	2136.8	2148.2	2147.4
13°	1690.4	1694.5	1690.4	1689.6	1681.5
14°	1325.4	1346.5	1337.6	1315.6	1305.8
15°	1061.1	1070.0	1070.0	1054.6	1063.5
17.5°	637.5	648.0	650.5	639.9	639.9
20°	409.0	413.9	425.3	409.8	396.0
22.5°	252.1	262.6	282.1	259.4	248.0
25°	159.4	174.0	192.7	170.8	153.7
27.5°	100.0	112.2	128.5	107.3	96.8
30°	61.0	69.1	83.7	67.5	57.7
32.5°	34.2	40.7	52.9	39.0	32.5
35°	17.1	22.8	35.0	22.0	16.3
37.5°	9.8	12.2	22.0	10.6	8.9
40°	4.9	6.5	12.2	6.5	4.1
42.5°	1.6	3.3	4.9	3.3	1.6
45°	0.8	1.6	2.4	1.6	0.8
47.5°	0.0	0.0	0.8	0.0	0.0
50°	0.0	0.0	0.8	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)