

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: P1306027

Luminaire Tested: P3SQASS17R159024DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306027
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: P3SQASS17R159024DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

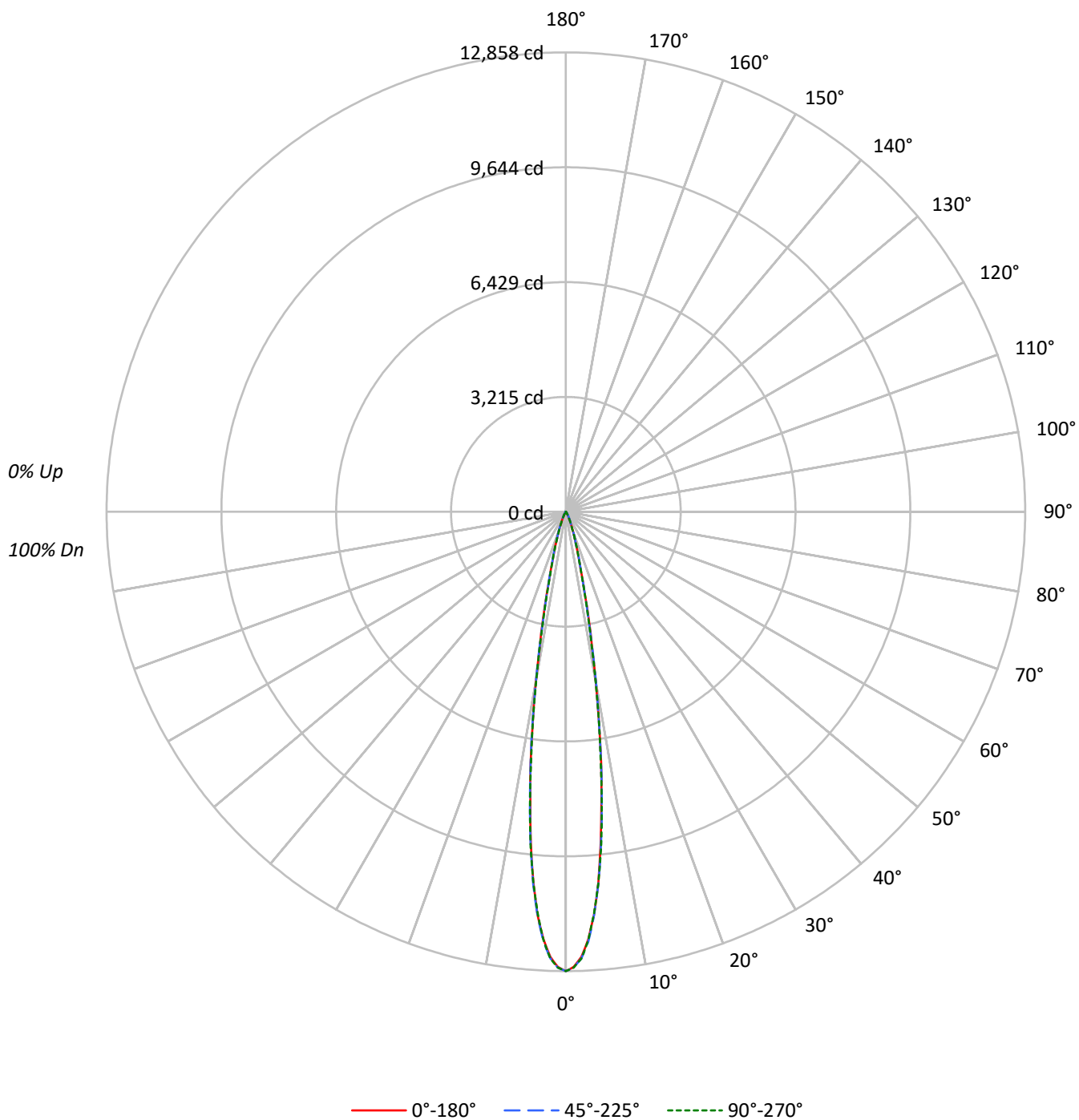
Lumens per Lamp: N/A
Luminaire Lumens: 1435.0 lumens
Efficiency: N/A
Efficacy: 67.7 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	2214353	2214353	2214353
5°	1802902	1808780	1805253
10°	841013	848550	837830
15°	264095	266324	264701
20°	104632	108792	101315
25°	42281	51117	40761
30°	16923	23247	16029
35°	5004	10260	4773
40°	1529	3822	1281
45°	268	828	268
50°	0	295	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: 828 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	805.0	56.1
10°-20°	481.5	33.6
20°-30°	121.4	8.5
30°-40°	24.8	1.7
40°-50°	2.3	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°	1407.9	98.1
0°-40°	1432.7	99.8
0°-60°	1435.0	100.0
0°-90°	1435.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1435.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12858	12858	12858	12858	12858	
5°	10429	10409	10463	10436	10442	803
15°	1481	1494	1494	1472	1485	482
25°	222	243	269	238	214	114
35°	24	32	49	31	23	20
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12857.5	12857.5	12857.5	12857.5	12857.5
1°	12741.8	12784.9	12762.2	12780.4	12759.9
2°	12466.0	12523.9	12505.7	12500.0	12515.9
3°	11980.2	12047.1	12044.9	12027.8	12000.6
4°	11317.3	11290.1	11332.1	11327.5	11281.0
5°	10428.6	10409.3	10462.6	10436.5	10442.2
6°	9341.2	9425.2	9407.1	9409.3	9430.9
7°	8173.3	8218.7	8257.3	8289.1	8244.8
8°	7100.7	7089.4	7092.8	7129.1	7006.5
9°	5899.9	5970.2	5924.8	5852.2	5898.7
10°	4809.1	4852.2	4852.2	4788.7	4790.9
11°	3834.1	3869.3	3844.3	3860.2	3760.3
12°	3090.7	3003.3	2982.8	2998.7	2997.6
13°	2359.7	2365.4	2359.7	2358.6	2347.2
14°	1850.1	1879.6	1867.1	1836.5	1822.8
15°	1481.2	1493.7	1493.7	1472.1	1484.6
17.5°	889.9	904.6	908.0	893.3	893.3
20°	570.9	577.7	593.6	572.1	552.8
22.5°	351.9	366.6	393.9	362.1	346.2
25°	222.5	242.9	269.0	238.4	214.5
27.5°	139.6	156.6	179.3	149.8	135.1
30°	85.1	96.5	116.9	94.2	80.6
32.5°	47.7	56.8	73.8	54.5	45.4
35°	23.8	31.8	48.8	30.6	22.7
37.5°	13.6	17.0	30.6	14.8	12.5
40°	6.8	9.1	17.0	9.1	5.7
42.5°	2.3	4.5	6.8	4.5	2.3
45°	1.1	2.3	3.4	2.3	1.1
47.5°	0.0	0.0	1.1	0.0	0.0
50°	0.0	0.0	1.1	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)