

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: P1306349

Luminaire Tested: P3SQAS02R159027DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306349
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: P3SQAS02R159027DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

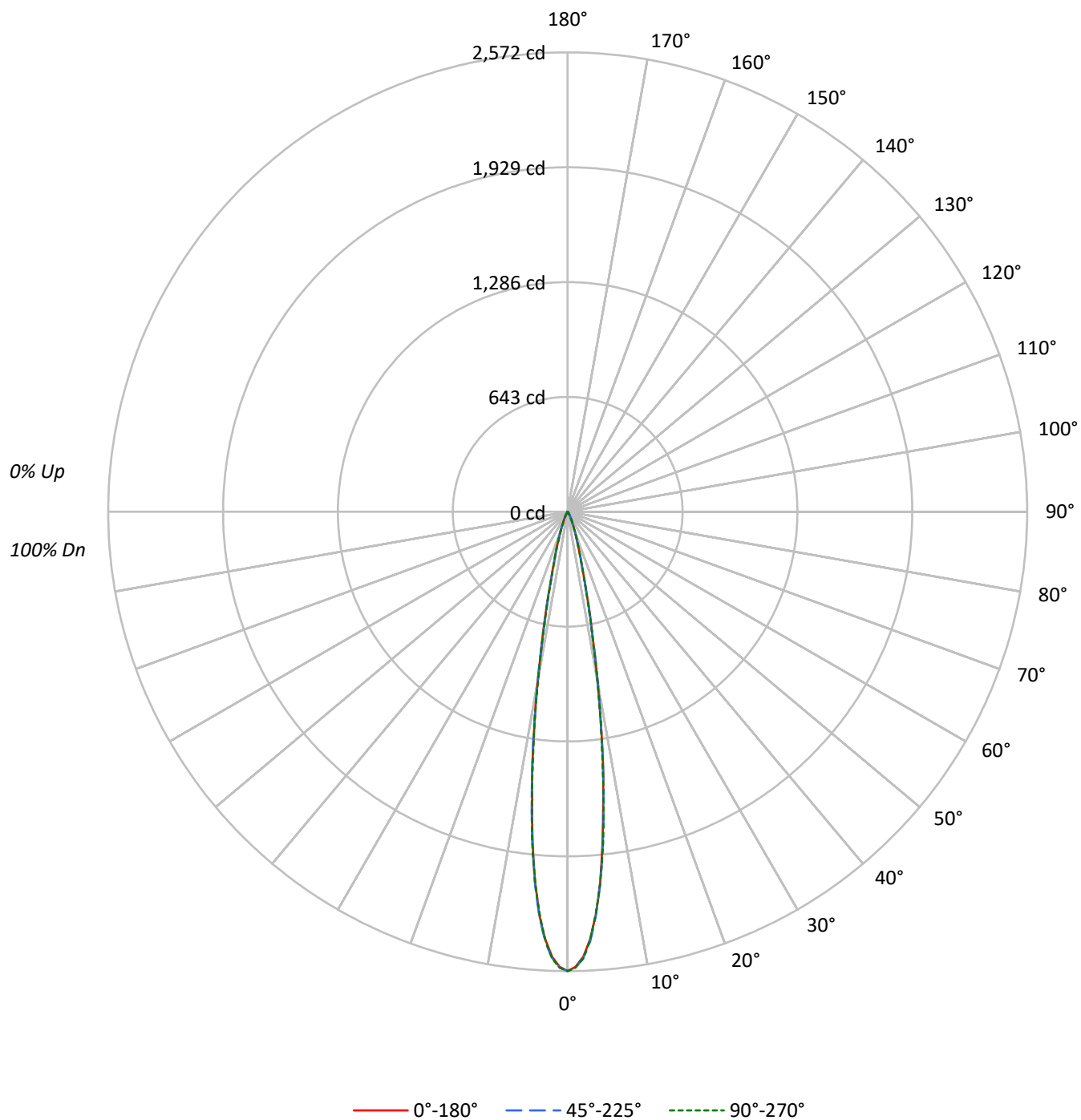
Lumens per Lamp: N/A
Luminaire Lumens: 287.0 lumens
Efficiency: N/A
Efficacy: 79.7 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	89	86	84	89	86	84		88	86	84		88

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	442871	442871	442871
5°	360577	361752	361044
10°	168199	169703	167569
15°	52812	53258	52937
20°	20930	21755	20270
25°	8456	10223	8152
30°	3381	4653	3202
35°	1009	2060	946
40°	315	764	247
45°	49	170	49
50°	0	54	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: 170 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.0	56.1
10°-20°	96.3	33.5
20°-30°	24.3	8.5
30°-40°	5.0	1.7
40°-50°	0.5	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°	281.6	98.1
0°-40°	286.5	99.8
0°-60°	287.0	100.0
0°-90°	287.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	287.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2572	2572	2572	2572	2572	
5°	2086	2082	2092	2087	2088	161
15°	296	299	299	294	297	96
25°	44	49	54	48	43	23
35°	5	6	10	6	4	4
45°	0	0	1	0	0	0
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°	2571.5	2571.5	2571.5	2571.5	2571.5
1°	2548.4	2557.0	2552.4	2556.1	2552.0
2°	2493.2	2504.8	2501.1	2500.0	2503.2
3°	2396.0	2409.4	2409.0	2405.6	2400.1
4°	2263.5	2258.0	2266.4	2265.5	2256.2
5°	2085.7	2081.9	2092.5	2087.3	2088.4
6°	1868.2	1885.0	1881.4	1881.9	1886.2
7°	1634.7	1643.7	1651.5	1657.8	1649.0
8°	1420.1	1417.9	1418.6	1425.8	1401.3
9°	1180.0	1194.0	1185.0	1170.4	1179.7
10°	961.8	970.4	970.4	957.7	958.2
11°	766.8	773.9	768.9	772.0	752.1
12°	618.1	600.7	596.6	599.7	599.5
13°	471.9	473.1	471.9	471.7	469.4
14°	370.0	375.9	373.4	367.3	364.6
15°	296.2	298.7	298.7	294.4	296.9
17.5°	178.0	180.9	181.6	178.7	178.7
20°	114.2	115.5	118.7	114.4	110.6
22.5°	70.4	73.3	78.8	72.4	69.2
25°	44.5	48.6	53.8	47.7	42.9
27.5°	27.9	31.3	35.9	30.0	27.0
30°	17.0	19.3	23.4	18.8	16.1
32.5°	9.5	11.4	14.8	10.9	9.1
35°	4.8	6.4	9.8	6.1	4.5
37.5°	2.7	3.4	6.1	3.0	2.5
40°	1.4	1.8	3.4	1.8	1.1
42.5°	0.5	0.9	1.4	0.9	0.5
45°	0.2	0.5	0.7	0.5	0.2
47.5°	0.0	0.0	0.2	0.0	0.0
50°	0.0	0.0	0.2	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)