

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: P1306351

Luminaire Tested: P3SQAS02R159027DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306351
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: P3SQAS02R159027DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

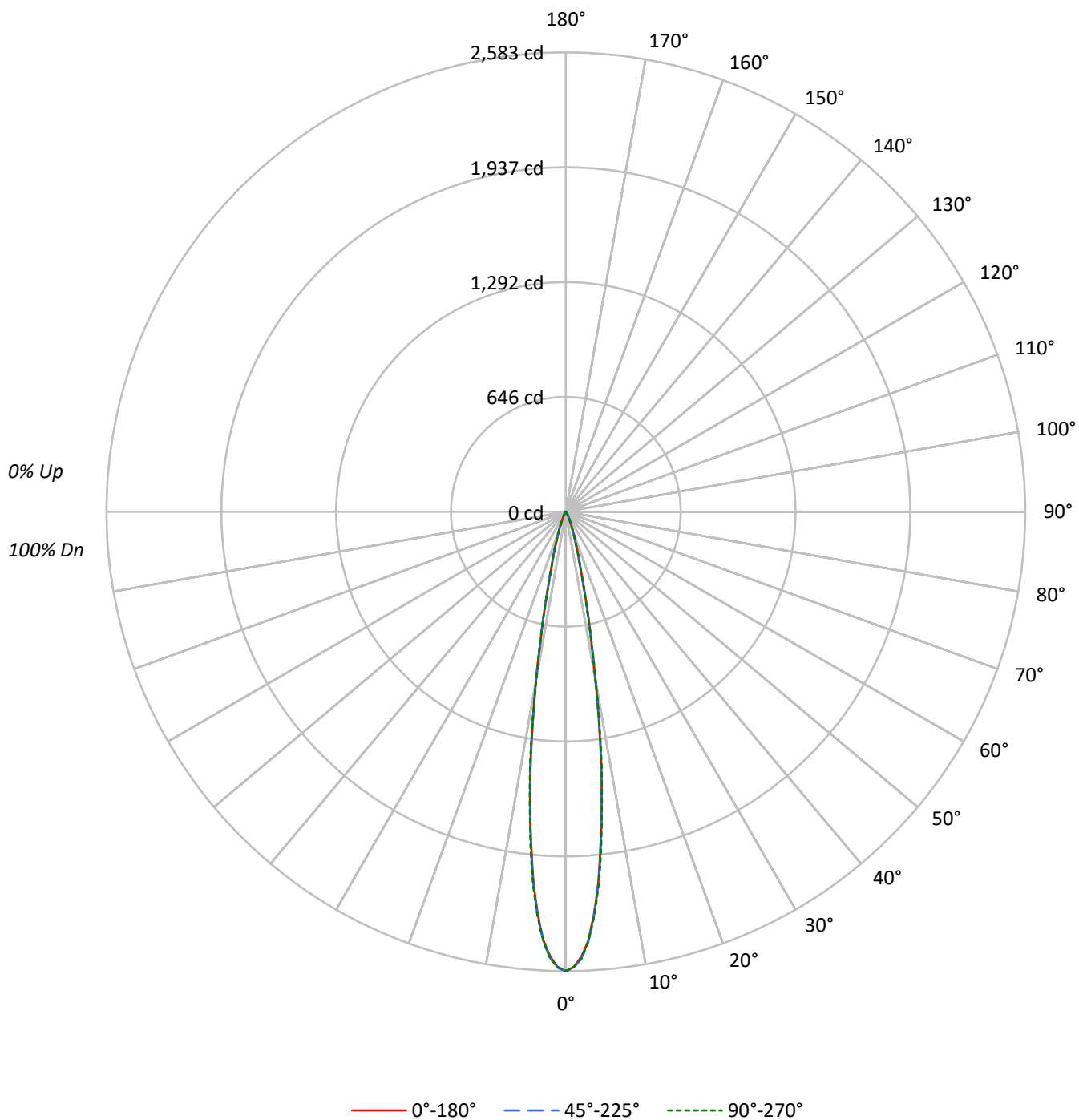
Lumens per Lamp: N/A
Luminaire Lumens: 290.0 lumens
Efficiency: N/A
Efficacy: 80.6 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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	86		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°	444886	444886	444886
5°	361770	363014	364277
10°	168479	168636	167727
15°	52134	53989	52972
20°	20783	21956	20527
25°	8703	10261	8266
30°	3540	4713	3261
35°	1156	2144	1051
40°	405	877	405
45°	170	268	170
50°	134	188	134
55°	150	150	150
60°	172	172	172
65°	82	82	82
70°	101	101	101
75°	133	133	133
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 268 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.7	55.8
10°-20°	96.7	33.3
20°-30°	24.6	8.5
30°-40°	5.3	1.8
40°-50°	0.9	0.3
50°-60°	0.5	0.2
60°-70°	0.2	0.1
70°-80°	0.1	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°	283.0	97.6
0°-40°	288.3	99.4
0°-60°	289.6	99.9
0°-90°	290.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	290.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2583	2583	2583	2583	2583	
5°	2093	2096	2100	2090	2107	161
15°	292	301	303	298	297	96
25°	46	49	54	48	44	23
35°	6	7	10	7	5	4
45°	1	1	1	1	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°	2583.2	2583.2	2583.2	2583.2	2583.2
1°	2560.7	2565.0	2565.7	2565.0	2561.4
2°	2503.1	2515.8	2513.1	2507.7	2515.4
3°	2414.1	2420.4	2419.5	2420.0	2418.2
4°	2269.3	2280.4	2274.0	2278.8	2279.3
5°	2092.6	2095.5	2099.8	2090.3	2107.1
6°	1875.1	1894.0	1877.4	1893.8	1900.4
7°	1654.0	1664.9	1643.8	1655.1	1662.0
8°	1427.9	1408.8	1420.4	1420.6	1443.2
9°	1183.8	1187.7	1197.5	1186.3	1196.1
10°	963.4	972.3	964.3	960.4	959.1
11°	760.7	770.8	770.1	771.2	763.7
12°	612.1	606.8	610.2	599.1	604.1
13°	476.3	476.6	473.8	469.3	465.2
14°	373.2	370.9	377.3	371.6	366.4
15°	292.4	300.6	302.8	298.5	297.1
17.5°	180.3	180.6	183.8	179.7	179.2
20°	113.4	116.1	119.8	115.4	112.0
22.5°	71.7	74.2	79.9	74.5	69.7
25°	45.8	49.0	54.0	47.8	43.5
27.5°	28.7	31.7	36.4	30.7	27.6
30°	17.8	19.8	23.7	19.4	16.4
32.5°	10.2	12.3	15.5	11.6	9.8
35°	5.5	7.1	10.2	6.8	5.0
37.5°	3.2	4.1	6.6	3.6	3.0
40°	1.8	2.5	3.9	2.3	1.8
42.5°	1.1	1.6	1.8	1.4	0.9
45°	0.7	0.9	1.1	0.9	0.7
47.5°	0.5	0.7	0.9	0.5	0.5
50°	0.5	0.5	0.7	0.5	0.5
52.5°	0.5	0.5	0.5	0.5	0.5
55°	0.5	0.5	0.5	0.5	0.5
57.5°	0.5	0.5	0.5	0.5	0.5
60°	0.5	0.5	0.5	0.5	0.5
62.5°	0.2	0.2	0.2	0.2	0.2
65°	0.2	0.2	0.2	0.2	0.2
67.5°	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2
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)