

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: P1315904

Luminaire Tested: P3SQAS05R159827DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315904
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: P3SQAS05R159827DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

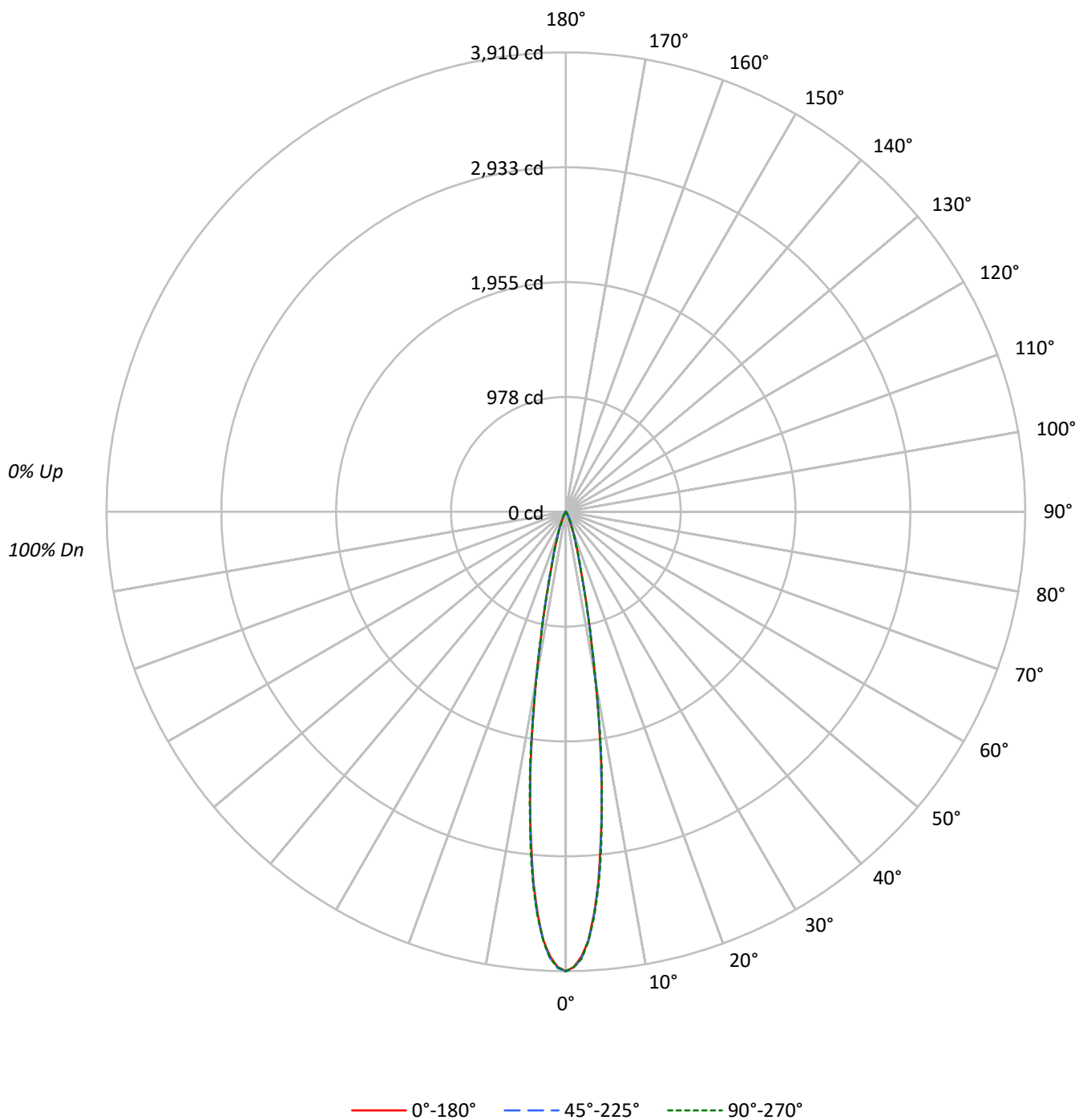
Lumens per Lamp: N/A
Luminaire Lumens: 438.9 lumens
Efficiency: N/A
Efficacy: 61.0 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	100	100	100
1	116	114	112	111	113	112	110	109	108	107	105	104	103	102	101	100	99	98	98	98
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	96	96	96
3	110	106	103	100	108	104	102	99	102	100	98	100	98	96	98	96	95	94	94	94
4	107	102	99	97	106	101	98	96	100	97	95	98	96	94	96	94	93	92	92	92
5	105	100	96	94	103	99	96	93	97	95	93	96	94	92	95	93	91	90	90	90
6	102	97	94	91	101	97	93	91	95	93	90	94	92	90	93	91	89	88	88	88
7	100	95	92	89	99	94	91	89	93	91	89	92	90	88	92	89	88	87	87	87
8	98	93	90	87	98	93	89	87	92	89	87	91	88	87	90	88	86	85	85	85
9	97	91	88	86	96	91	88	85	90	87	85	89	87	85	89	86	85	84	84	84
10	95	89	86	84	94	89	86	84	89	86	84	88	85	84	87	85	83	83	83	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	673477	673477	673477
5°	547634	549535	551454
10°	255044	255289	253890
15°	78915	81732	80198
20°	31468	33228	31084
25°	13169	15525	12504
30°	5349	7119	4932
35°	1745	3259	1598
40°	629	1326	629
45°	244	414	244
50°	188	268	188
55°	210	210	210
60°	241	241	241
65°	122	122	122
70°	151	151	151
75°	200	200	200
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 414 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	244.8	55.8
10°-20°	146.4	33.3
20°-30°	37.2	8.5
30°-40°	8.1	1.8
40°-50°	1.3	0.3
50°-60°	0.6	0.1
60°-70°	0.3	0.1
70°-80°	0.2	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°	428.4	97.6
0°-40°	436.5	99.4
0°-60°	438.4	99.9
0°-90°	438.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	438.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3910	3910	3910	3910	3910	
5°	3168	3172	3179	3164	3190	244
15°	443	455	458	452	450	146
25°	69	74	82	72	66	35
35°	8	11	16	10	8	7
45°	1	1	2	1	1	1
55°	1	1	1	1	1	1
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°	3910.5	3910.5	3910.5	3910.5	3910.5
1°	3876.4	3882.9	3884.0	3882.9	3877.4
2°	3789.2	3808.5	3804.3	3796.1	3807.8
3°	3654.4	3664.0	3662.7	3663.4	3660.6
4°	3435.2	3452.1	3442.4	3449.7	3450.3
5°	3167.7	3172.2	3178.7	3164.2	3189.8
6°	2838.5	2867.1	2842.0	2866.8	2876.8
7°	2503.8	2520.4	2488.3	2505.5	2515.9
8°	2161.5	2132.6	2150.2	2150.5	2184.6
9°	1792.0	1797.9	1812.7	1795.8	1810.7
10°	1458.4	1471.8	1459.8	1453.9	1451.8
11°	1151.6	1166.8	1165.7	1167.5	1156.1
12°	926.5	918.6	923.8	906.9	914.5
13°	721.1	721.4	717.3	710.4	704.2
14°	564.9	561.5	571.2	562.5	554.6
15°	442.6	455.0	458.4	451.9	449.8
17.5°	273.0	273.3	278.2	272.0	271.3
20°	171.7	175.8	181.3	174.8	169.6
22.5°	108.6	112.4	121.0	112.7	105.5
25°	69.3	74.1	81.7	72.4	65.8
27.5°	43.4	47.9	55.2	46.5	41.7
30°	26.9	30.0	35.8	29.3	24.8
32.5°	15.5	18.6	23.4	17.6	14.8
35°	8.3	10.7	15.5	10.3	7.6
37.5°	4.8	6.2	10.0	5.5	4.5
40°	2.8	3.8	5.9	3.4	2.8
42.5°	1.7	2.4	2.8	2.1	1.4
45°	1.0	1.4	1.7	1.4	1.0
47.5°	0.7	1.0	1.4	0.7	0.7
50°	0.7	0.7	1.0	0.7	0.7
52.5°	0.7	0.7	0.7	0.7	0.7
55°	0.7	0.7	0.7	0.7	0.7
57.5°	0.7	0.7	0.7	0.7	0.7
60°	0.7	0.7	0.7	0.7	0.7
62.5°	0.3	0.3	0.3	0.3	0.3
65°	0.3	0.3	0.3	0.3	0.3
67.5°	0.3	0.3	0.3	0.3	0.3
70°	0.3	0.3	0.3	0.3	0.3
72.5°	0.3	0.3	0.3	0.3	0.3
75°	0.3	0.3	0.3	0.3	0.3
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)