

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: P1305547

Luminaire Tested: P3SQAS05R159024DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305547
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: P3SQAS05R159024DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

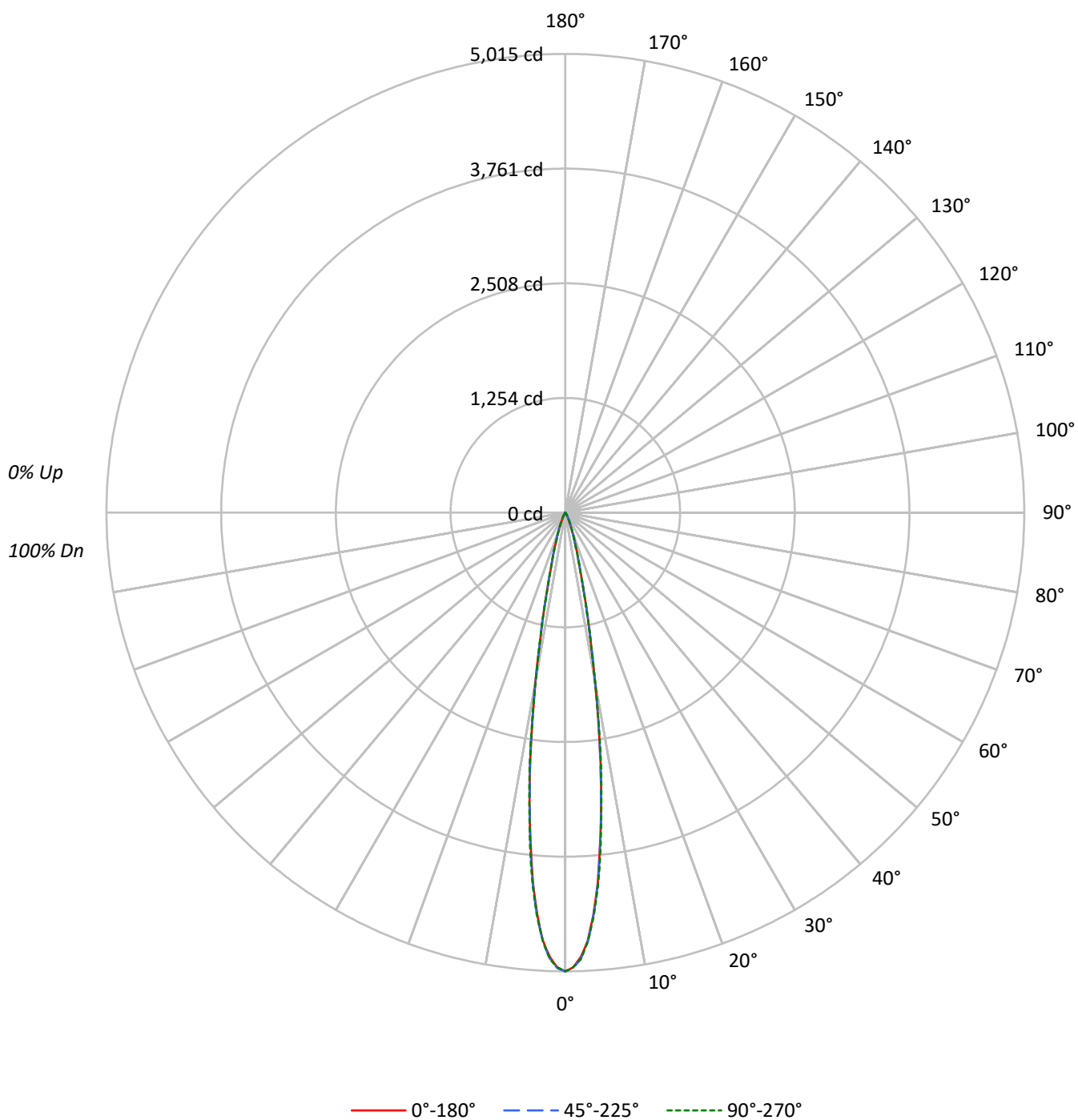
Lumens per Lamp: N/A
Luminaire Lumens: 563.0 lumens
Efficiency: N/A
Efficacy: 78.2 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1305547

CATALOG NUMBER: P3SQAS05R159024DE010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1305547

CATALOG NUMBER: P3SQAS05R159024DE010 E3SQCD1MW

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°	863714	863714	863714
5°	702310	704765	707202
10°	327077	327392	325608
15°	101202	104821	102860
20°	40339	42612	39862
25°	16893	19915	16038
30°	6861	9148	6324
35°	2229	4184	2039
40°	787	1686	787
45°	317	536	317
50°	241	348	241
55°	270	270	270
60°	310	310	310
65°	163	163	163
70°	201	201	201
75°	266	266	266
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 536 cd/sqm

TEST NUMBER: P1305547

CATALOG NUMBER: P3SQAS05R159024DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	313.9	55.8
10°-20°	187.7	33.3
20°-30°	47.8	8.5
30°-40°	10.4	1.8
40°-50°	1.7	0.3
50°-60°	0.8	0.1
60°-70°	0.5	0.1
70°-80°	0.3	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°	549.4	97.6
0°-40°	559.7	99.4
0°-60°	562.2	99.9
0°-90°	563.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	563.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5015	5015	5015	5015	5015	
5°	4062	4068	4077	4058	4091	313
15°	568	584	588	580	577	187
25°	89	95	105	93	84	45
35°	11	14	20	13	10	8
45°	1	2	2	2	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

TEST NUMBER: P1305547

CATALOG NUMBER: P3SQAS05R159024DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5015.1	5015.1	5015.1	5015.1	5015.1
1°	4971.3	4979.7	4981.0	4979.7	4972.6
2°	4859.5	4884.2	4878.9	4868.3	4883.3
3°	4686.6	4699.0	4697.2	4698.1	4694.6
4°	4405.5	4427.1	4414.8	4424.0	4424.9
5°	4062.4	4068.2	4076.6	4058.0	4090.7
6°	3640.3	3677.0	3644.7	3676.5	3689.4
7°	3211.1	3232.3	3191.2	3213.3	3226.5
8°	2772.1	2735.0	2757.5	2758.0	2801.7
9°	2298.2	2305.7	2324.7	2303.1	2322.1
10°	1870.3	1887.6	1872.1	1864.6	1861.9
11°	1476.9	1496.3	1495.0	1497.2	1482.6
12°	1188.2	1178.1	1184.7	1163.0	1172.8
13°	924.8	925.2	919.9	911.1	903.1
14°	724.5	720.1	732.5	721.4	711.3
15°	567.6	583.5	587.9	579.5	576.9
17.5°	350.1	350.5	356.7	348.8	347.9
20°	220.1	225.4	232.5	224.1	217.5
22.5°	139.2	144.1	155.2	144.6	135.3
25°	88.9	95.0	104.8	92.8	84.4
27.5°	55.7	61.4	70.7	59.7	53.5
30°	34.5	38.5	46.0	37.6	31.8
32.5°	19.9	23.9	30.1	22.5	19.0
35°	10.6	13.7	19.9	13.3	9.7
37.5°	6.2	8.0	12.8	7.1	5.7
40°	3.5	4.9	7.5	4.4	3.5
42.5°	2.2	3.1	3.5	2.7	1.8
45°	1.3	1.8	2.2	1.8	1.3
47.5°	0.9	1.3	1.8	0.9	0.9
50°	0.9	0.9	1.3	0.9	0.9
52.5°	0.9	0.9	0.9	0.9	0.9
55°	0.9	0.9	0.9	0.9	0.9
57.5°	0.9	0.9	0.9	0.9	0.9
60°	0.9	0.9	0.9	0.9	0.9
62.5°	0.4	0.4	0.4	0.4	0.4
65°	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4
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



TEST NUMBER: P1305547

CATALOG NUMBER: P3SQAS05R159024DE010 E3SQCD1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)