

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: P1317659

Luminaire Tested: P3SQAS05R159835DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317659
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R159835DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 98CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

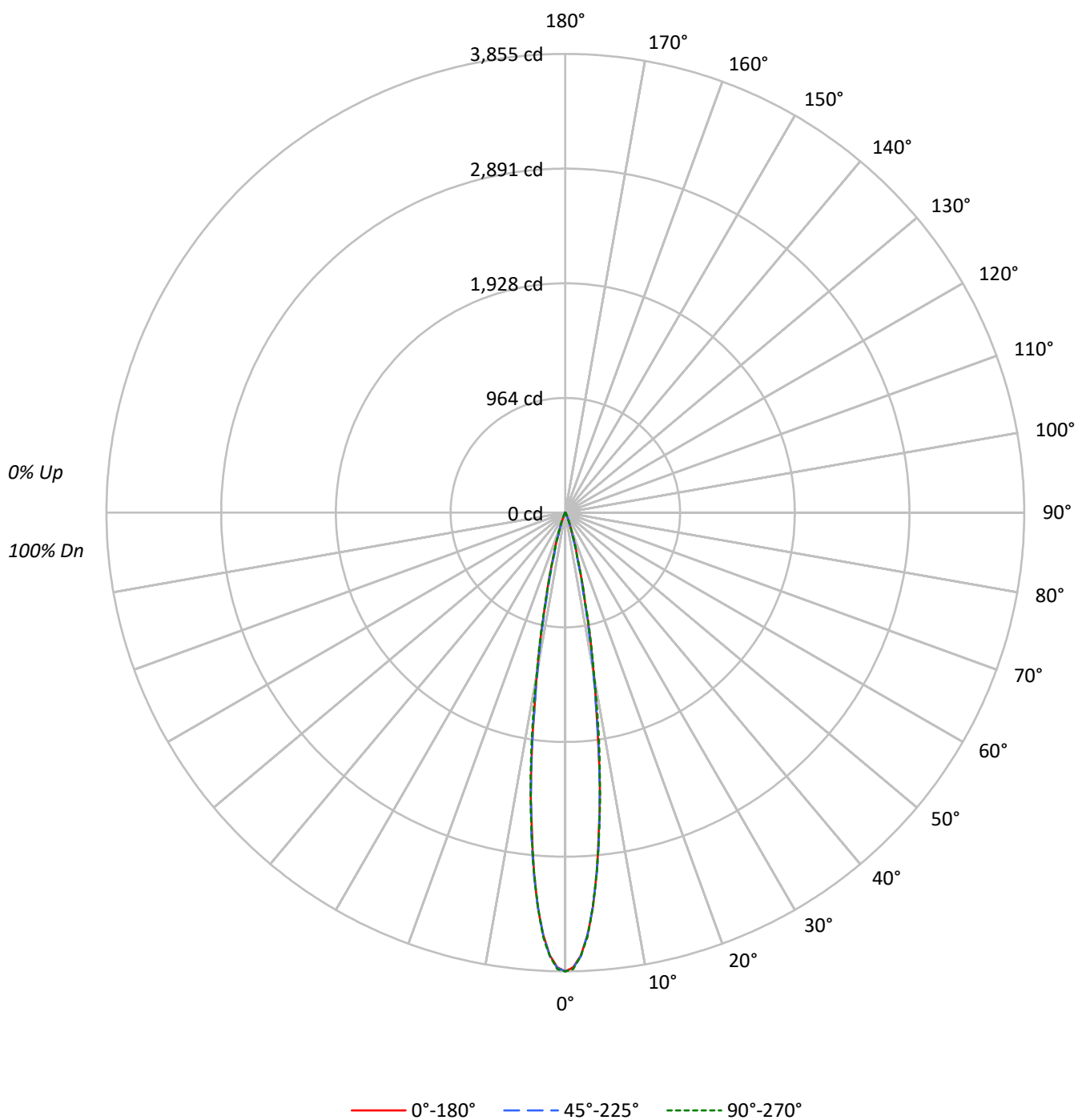
Lumens per Lamp: N/A
Luminaire Lumens: 386.0 lumens
Efficiency: N/A
Efficacy: 53.6 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1317659

CATALOG NUMBER: P3SQAS05R159835DE010 E3SQPH1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1317659

CATALOG NUMBER: P3SQAS05R159835DE010 E3SQPH1MW

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	106	104	104	103	101	100	100	98	98	98
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	99	98	97	97	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	95	95	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	93	93	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	92	92	92
6	104	99	96	93	103	98	95	93	97	94	92	96	94	92	95	93	91	90	90	90
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90	89	89	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88	88	88
9	98	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87	87	87
10	97	92	89	87	96	92	89	87	91	88	87	90	88	86	90	88	86	86	86	86

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	663918	663918	663918
5°	523690	525090	523223
10°	239585	233307	244656
15°	71230	63599	69786
20°	21150	20527	22213
25°	6024	7772	6974
30°	2148	2307	2068
35°	820	736	736
40°	337	180	270
45°	195	97	195
50°	107	0	107
55°	120	0	120
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: 0°

Vertical Angle: 47.5°

Luminance: 204 cd/sqm

TEST NUMBER: P1317659

CATALOG NUMBER: P3SQAS05R159835DE010 E3SQPH1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.9	60.3
10°-20°	129.3	33.5
20°-30°	20.6	5.3
30°-40°	2.7	0.7
40°-50°	0.4	0.1
50°-60°	0.1	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°	382.8	99.2
0°-40°	385.5	99.9
0°-60°	386.0	100.0
0°-90°	386.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	386.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3855	3855	3855	3855	3855	
5°	3029	3055	3037	3024	3026	232
15°	400	394	357	379	391	132
25°	32	36	41	41	37	19
35°	4	4	4	4	4	3
45°	1	0	0	0	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	



TEST NUMBER: P1317659

CATALOG NUMBER: P3SQAS05R159835DE010 E3SQPH1MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3855.0	3855.0	3855.0	3855.0	3855.0	3855.0	3855.0	3855.0	3855.0	3855.0	3855.0
1°	3821.8	3826.0	3831.4	3826.4	3821.8	3826.0	3820.2	3821.0	3816.4	3826.4	3837.6
2°	3724.5	3729.9	3726.8	3719.9	3730.7	3731.4	3719.5	3713.7	3712.9	3722.9	3726.8
3°	3552.3	3564.7	3565.1	3562.7	3559.3	3552.3	3540.0	3548.1	3536.9	3529.9	3569.3
4°	3323.4	3334.2	3346.9	3338.4	3313.0	3315.3	3323.4	3296.0	3297.5	3313.4	3314.5
5°	3029.2	3062.0	3063.6	3051.6	3031.5	3037.3	3031.5	3023.8	3026.5	3036.6	3026.5
6°	2683.0	2720.0	2692.6	2718.9	2713.1	2720.4	2722.3	2714.2	2720.0	2713.8	2711.9
7°	2383.8	2355.6	2359.5	2348.6	2360.2	2368.0	2372.6	2358.7	2369.9	2387.6	2392.7
8°	2012.8	2004.7	1996.6	2015.9	2010.5	2019.7	2025.5	2041.0	2040.2	2045.6	2063.4
9°	1659.6	1671.5	1678.9	1661.9	1676.6	1648.0	1658.0	1699.3	1688.5	1699.3	1731.0
10°	1370.0	1379.7	1368.9	1368.5	1353.1	1334.1	1333.0	1348.4	1380.9	1406.3	1399.0
12.5°	755.9	764.4	765.5	764.7	736.9	705.7	711.5	723.8	743.9	752.4	766.3
15°	399.5	399.2	403.4	391.4	376.8	356.7	358.2	375.2	390.3	394.1	391.4
17.5°	205.0	205.8	208.8	205.8	190.3	192.2	196.5	198.4	207.3	210.8	208.8
20°	115.4	115.8	115.4	116.6	110.4	112.0	117.4	117.7	119.7	121.6	121.2
22.5°	66.0	66.4	68.7	67.9	66.4	68.3	69.5	71.4	72.2	71.4	73.7
25°	31.7	32.0	32.0	36.7	39.0	40.9	41.7	40.9	40.1	37.1	36.7
27.5°	18.1	18.1	18.9	19.3	20.1	23.5	23.2	19.3	16.2	16.2	16.6
30°	10.8	10.4	10.4	10.8	11.2	11.6	10.8	10.4	10.4	10.8	10.4
32.5°	6.6	6.6	6.6	6.2	6.2	5.8	5.8	6.6	6.6	6.6	6.6
35°	3.9	3.9	3.9	3.9	3.5	3.5	3.5	3.9	3.9	3.5	3.5
37.5°	2.3	2.3	2.3	1.9	1.9	1.5	1.9	1.9	1.9	1.9	1.9
40°	1.5	1.5	1.2	1.2	0.8	0.8	0.8	1.2	1.2	1.2	1.2
42.5°	1.2	1.2	0.8	0.8	0.4	0.4	0.4	0.8	0.8	0.8	0.8
45°	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8
47.5°	0.8	0.8	0.4	0.4	0.0	0.0	0.0	0.4	0.4	0.4	0.4
50°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
52.5°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
55°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)