

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: P1317950

Luminaire Tested: P3SQAS13R159835DE010 E3SQPH1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317950
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: P3SQAS13R159835DE010 E3SQPH1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 98CRI , E3SQPH1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

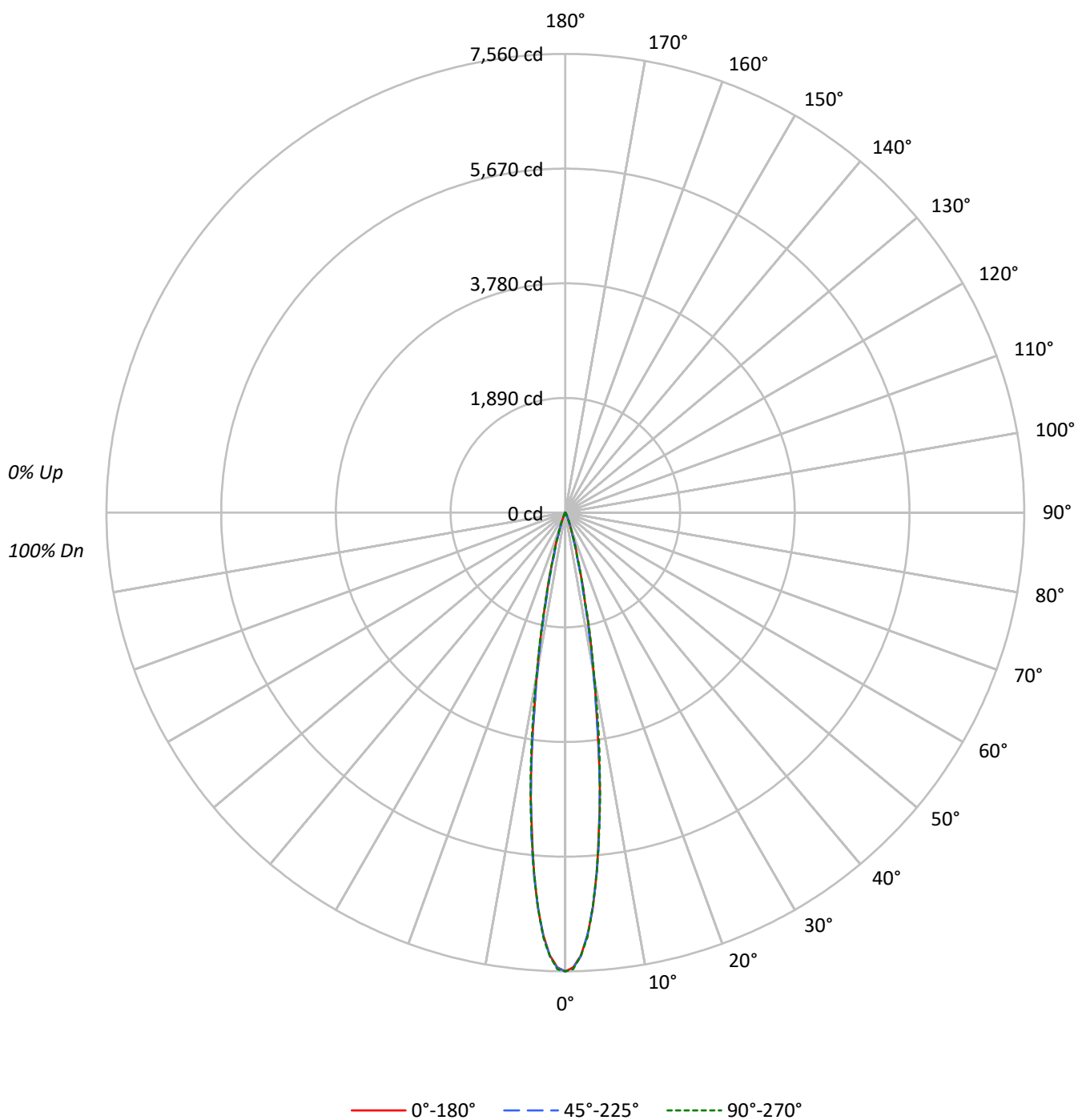
Lumens per Lamp: N/A
Luminaire Lumens: 757.0 lumens
Efficiency: N/A
Efficacy: 52.2 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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	104	103		101
2	113	110	107	105	111	108	106	104	105	103	102		102	101	100		100
3	110	107	104	101	109	105	103	100	103	101	99		101	99	97		99
4	108	104	100	98	106	103	100	98	101	98	96		99	97	95		97
5	106	101	98	95	104	100	97	95	99	96	94		97	95	94		96
6	104	99	96	93	103	98	95	93	97	94	92		96	94	92		95
7	102	97	94	91	101	96	93	91	95	93	91		94	92	90		94
8	100	95	92	90	99	95	92	90	94	91	89		93	91	89		92
9	98	93	90	88	98	93	90	88	92	90	88		92	89	88		91
10	97	92	89	87	96	92	89	87	91	88	87		90	88	86		90

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1302020	1302020	1302020
5°	1027048	1029780	1026132
10°	469884	457555	479799
15°	139714	124719	136879
20°	41494	40247	43565
25°	11801	15240	13663
30°	4216	4514	4057
35°	1598	1430	1430
40°	674	337	517
45°	365	195	365
50°	214	0	214
55°	240	0	240
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: 382 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	456.8	60.3
10°-20°	253.6	33.5
20°-30°	40.4	5.3
30°-40°	5.3	0.7
40°-50°	0.8	0.1
50°-60°	0.2	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°	750.7	99.2
0°-40°	756.0	99.9
0°-60°	757.0	100.0
0°-90°	757.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	757.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7560	7560	7560	7560	7560	
5°	5941	5991	5957	5932	5936	456
15°	784	774	700	743	768	258
25°	62	70	80	80	72	38
35°	8	8	7	8	7	6
45°	2	1	1	1	2	1
55°	1	0	0	0	1	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°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7560.1	7560.1	7560.1	7560.1	7560.1	7560.1	7560.1	7560.1	7560.1	7560.1	7560.1
1°	7495.0	7503.3	7513.9	7504.1	7495.0	7503.3	7492.0	7493.5	7484.4	7504.1	7526.1
2°	7304.2	7314.8	7308.8	7295.2	7316.4	7317.9	7294.4	7283.0	7281.5	7301.2	7308.8
3°	6966.6	6990.8	6991.6	6987.0	6980.2	6966.6	6942.4	6958.3	6936.3	6922.7	6999.9
4°	6517.6	6538.8	6563.8	6547.2	6497.2	6501.7	6517.6	6463.9	6466.9	6498.0	6500.2
5°	5940.8	6005.1	6008.1	5984.7	5945.3	5956.6	5945.3	5930.2	5935.5	5955.1	5935.5
6°	5261.7	5334.3	5280.6	5332.1	5320.7	5335.1	5338.9	5323.0	5334.3	5322.2	5318.4
7°	4674.9	4619.7	4627.2	4606.0	4628.7	4643.9	4653.0	4625.7	4647.7	4682.5	4692.3
8°	3947.4	3931.5	3915.6	3953.4	3942.8	3961.0	3972.4	4002.6	4001.1	4011.7	4046.6
9°	3254.7	3278.1	3292.5	3259.2	3288.0	3231.9	3251.6	3332.6	3311.4	3332.6	3394.7
10°	2686.9	2705.8	2684.6	2683.8	2653.5	2616.4	2614.2	2644.5	2708.0	2758.0	2743.6
12.5°	1482.3	1499.0	1501.3	1499.8	1445.3	1383.9	1395.3	1419.5	1458.9	1475.5	1502.8
15°	783.6	782.8	791.1	767.7	738.9	699.5	702.6	735.9	765.4	773.0	767.7
17.5°	402.0	403.5	409.6	403.5	373.2	377.0	385.4	389.1	406.5	413.4	409.6
20°	226.4	227.1	226.4	228.6	216.5	219.6	230.2	230.9	234.7	238.5	237.7
22.5°	129.5	130.2	134.8	133.2	130.2	134.0	136.3	140.1	141.6	140.1	144.6
25°	62.1	62.8	62.8	71.9	76.5	80.2	81.8	80.2	78.7	72.7	71.9
27.5°	35.6	35.6	37.1	37.9	39.4	46.2	45.4	37.9	31.8	31.8	32.6
30°	21.2	20.4	20.4	21.2	22.0	22.7	21.2	20.4	20.4	21.2	20.4
32.5°	12.9	12.9	12.9	12.1	12.1	11.4	11.4	12.9	12.9	12.9	12.9
35°	7.6	7.6	7.6	7.6	6.8	6.8	6.8	7.6	7.6	6.8	6.8
37.5°	4.5	4.5	4.5	3.8	3.8	3.0	3.8	3.8	3.8	3.8	3.8
40°	3.0	3.0	2.3	2.3	1.5	1.5	1.5	2.3	2.3	2.3	2.3
42.5°	2.3	2.3	1.5	1.5	0.8	0.8	0.8	1.5	1.5	1.5	1.5
45°	1.5	1.5	1.5	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5
47.5°	1.5	1.5	0.8	0.8	0.0	0.0	0.0	0.8	0.8	0.8	0.8
50°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
52.5°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
55°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
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	0.8	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)