

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: P1314641

Luminaire Tested: P3SQAS20R159735D010 E3SQPH1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314641
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: P3SQAS20R159735D010 E3SQPH1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 97CRI , E3SQPH1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

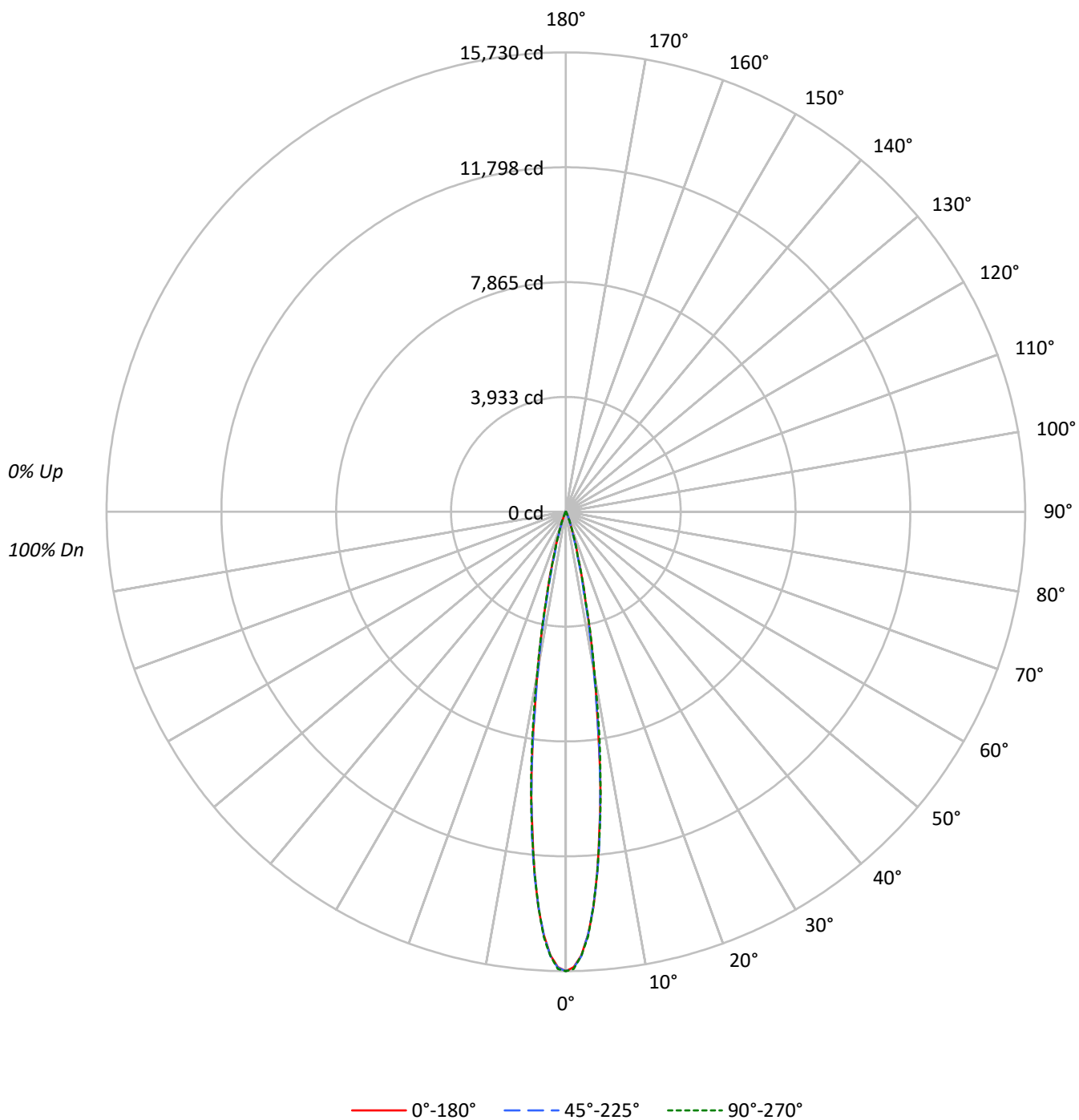
Lumens per Lamp: N/A
Luminaire Lumens: 1575.0 lumens
Efficiency: N/A
Efficacy: 54.7 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	104	103	101	100	100	100	100	98
2	113	110	107	105	111	108	106	104	105	104	102	102	101	100	100	99	98	98	98	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	96	96	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	94	94	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	93	93	92
6	104	99	96	93	103	98	95	93	97	94	92	96	94	92	95	93	91	91	91	91
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90	90	90	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	89	89	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°	2708976	2708976	2708976
5°	2136838	2142560	2134936
10°	977611	951991	998264
15°	290679	259495	284778
20°	86323	83720	90648
25°	24551	31734	28428
30°	8770	9406	8452
35°	3322	2985	2985
40°	1416	719	1057
45°	779	390	779
50°	429	0	429
55°	480	0	480
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: 816 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	950.4	60.3
10°-20°	527.6	33.5
20°-30°	84.0	5.3
30°-40°	11.0	0.7
40°-50°	1.7	0.1
50°-60°	0.4	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°	1562.0	99.2
0°-40°	1573.0	99.9
0°-60°	1575.0	100.0
0°-90°	1575.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1575.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	15730	15730	15730	15730	15730	
5°	12360	12464	12393	12341	12349	948
15°	1630	1609	1455	1546	1597	538
25°	129	145	167	166	150	79
35°	16	16	14	16	14	12
45°	3	2	2	2	3	3
55°	2	0	0	0	2	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	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	15729.5	15729.5	15729.5	15729.5	15729.5	15729.5	15729.5	15729.5	15729.5	15729.5	15729.5
1°	15594.0	15611.3	15633.4	15612.9	15594.0	15611.3	15587.7	15590.8	15571.9	15612.9	15658.6
2°	15197.1	15219.1	15206.5	15178.2	15222.3	15225.4	15176.6	15153.0	15149.8	15190.8	15206.5
3°	14494.5	14544.9	14546.5	14537.1	14522.9	14494.5	14444.1	14477.2	14431.5	14403.2	14563.9
4°	13560.5	13604.6	13656.6	13621.9	13517.9	13527.4	13560.5	13448.6	13454.9	13519.5	13524.3
5°	12360.2	12494.1	12500.4	12451.6	12369.7	12393.3	12369.7	12338.2	12349.2	12390.1	12349.2
6°	10947.3	11098.5	10986.7	11093.8	11070.2	11100.1	11108.0	11074.9	11098.5	11073.3	11065.4
7°	9726.6	9611.6	9627.3	9583.2	9630.5	9662.0	9680.9	9624.2	9669.9	9742.3	9762.8
8°	8212.8	8179.8	8146.7	8225.4	8203.4	8241.2	8264.8	8327.8	8324.7	8346.7	8419.2
9°	6771.6	6820.4	6850.3	6781.0	6840.9	6724.3	6765.3	6933.8	6889.7	6933.8	7063.0
10°	5590.2	5629.6	5585.5	5583.9	5520.9	5443.7	5439.0	5502.0	5634.3	5738.3	5708.3
12.5°	3084.1	3118.8	3123.5	3120.4	3007.0	2879.4	2903.0	2953.4	3035.3	3070.0	3126.7
15°	1630.3	1628.7	1646.0	1597.2	1537.3	1455.4	1461.7	1531.0	1592.5	1608.2	1597.2
17.5°	836.4	839.6	852.2	839.6	776.5	784.4	801.8	809.6	845.9	860.0	852.2
20°	471.0	472.5	471.0	475.7	450.5	456.8	478.8	480.4	488.3	496.2	494.6
22.5°	269.4	270.9	280.4	277.2	270.9	278.8	283.5	291.4	294.6	291.4	300.9
25°	129.2	130.7	130.7	149.6	159.1	167.0	170.1	167.0	163.8	151.2	149.6
27.5°	74.0	74.0	77.2	78.8	81.9	96.1	94.5	78.8	66.2	66.2	67.7
30°	44.1	42.5	42.5	44.1	45.7	47.3	44.1	42.5	42.5	44.1	42.5
32.5°	26.8	26.8	26.8	25.2	25.2	23.6	23.6	26.8	26.8	26.8	26.8
35°	15.8	15.8	15.8	15.8	14.2	14.2	14.2	15.8	15.8	14.2	14.2
37.5°	9.5	9.5	9.5	7.9	7.9	6.3	7.9	7.9	7.9	7.9	7.9
40°	6.3	6.3	4.7	4.7	3.2	3.2	3.2	4.7	4.7	4.7	4.7
42.5°	4.7	4.7	3.2	3.2	1.6	1.6	1.6	3.2	3.2	3.2	3.2
45°	3.2	3.2	3.2	1.6	1.6	1.6	1.6	1.6	1.6	3.2	3.2
47.5°	3.2	3.2	1.6	1.6	0.0	0.0	0.0	1.6	1.6	1.6	1.6
50°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6
52.5°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6
55°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
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	1.6	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)