

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: P1313669

Luminaire Tested: P3SQAS20R159730D010 E3SQPH1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313669
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: P3SQAS20R159730D010 E3SQPH1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 97CRI , E3SQPH1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

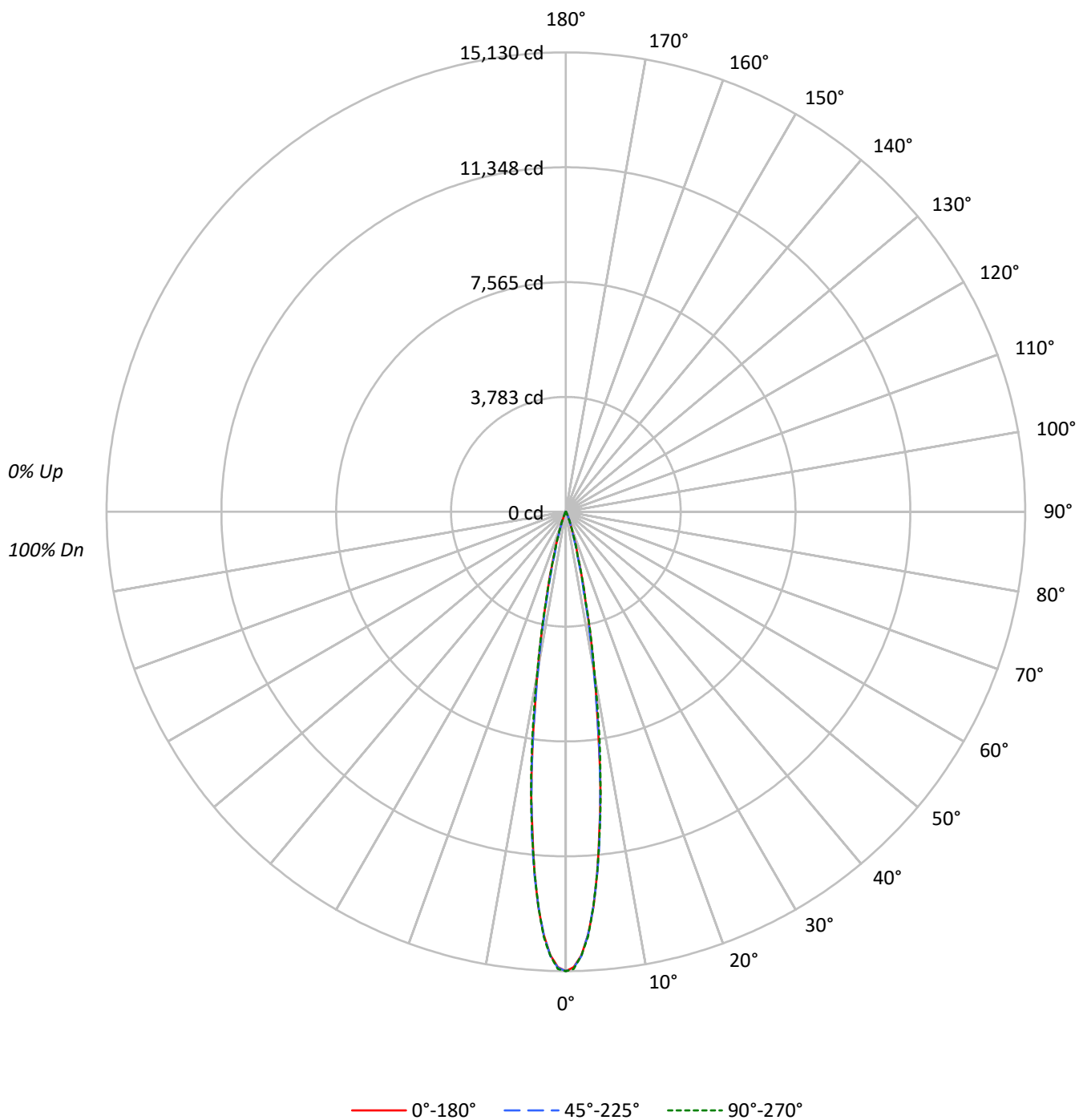
Lumens per Lamp: N/A
Luminaire Lumens: 1515.0 lumens
Efficiency: N/A
Efficacy: 52.6 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1313669

CATALOG NUMBER: P3SQAS20R159730D010 E3SQPH1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1313669

CATALOG NUMBER: P3SQAS20R159730D010 E3SQPH1MB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106		104	104	103		101	100	100	98
2	113	110	107	105	111	108	106	104	105	104	102		102	101	100		100	99	98	97
3	110	107	104	101	109	105	103	100	103	101	99		101	99	97		99	97	96	95
4	108	104	100	98	106	103	100	98	101	98	96		99	97	95		97	96	94	93
5	106	101	98	95	104	100	97	95	99	96	94		97	95	94		96	94	93	92
6	104	99	96	93	103	98	95	93	97	94	92		96	94	92		95	93	91	91
7	102	97	94	91	101	96	93	91	95	93	91		94	92	90		94	92	90	89
8	100	95	92	90	99	95	92	90	94	91	89		93	91	89		92	90	89	88
9	98	93	90	88	98	93	90	88	92	90	88		92	89	88		91	89	87	87
10	97	92	89	87	96	92	89	87	91	88	87		90	88	86		90	88	86	86

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2605763	2605763	2605763
5°	2055428	2060943	2053596
10°	940379	915721	960246
15°	279607	249617	273937
20°	83024	80531	87202
25°	23601	30518	27345
30°	8432	9048	8134
35°	3196	2859	2859
40°	1371	674	1012
45°	731	365	731
50°	402	0	402
55°	450	0	450
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: 765 cd/sqm

TEST NUMBER: P1313669

CATALOG NUMBER: P3SQAS20R159730D010 E3SQPH1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	914.2	60.3
10°-20°	507.5	33.5
20°-30°	80.8	5.3
30°-40°	10.6	0.7
40°-50°	1.6	0.1
50°-60°	0.3	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°	1502.5	99.2
0°-40°	1513.1	99.9
0°-60°	1515.0	100.0
0°-90°	1515.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1515.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	15130	15130	15130	15130	15130	
5°	11889	11989	11921	11871	11879	912
15°	1568	1548	1400	1487	1536	517
25°	124	139	161	160	144	76
35°	15	15	14	15	14	11
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	

TEST NUMBER: P1313669

CATALOG NUMBER: P3SQAS20R159730D010 E3SQPH1MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	15130.2	15130.2	15130.2	15130.2	15130.2	15130.2	15130.2	15130.2	15130.2	15130.2	15130.2
1°	14999.9	15016.6	15037.8	15018.1	14999.9	15016.6	14993.9	14996.9	14978.7	15018.1	15062.1
2°	14618.1	14639.3	14627.2	14599.9	14642.4	14645.4	14598.4	14575.7	14572.7	14612.1	14627.2
3°	13942.4	13990.9	13992.4	13983.3	13969.6	13942.4	13893.9	13925.7	13881.8	13854.5	14009.0
4°	13043.9	13086.3	13136.3	13103.0	13003.0	13012.1	13043.9	12936.3	12942.4	13004.5	13009.0
5°	11889.3	12018.1	12024.2	11977.2	11898.4	11921.2	11898.4	11868.1	11878.7	11918.1	11878.7
6°	10530.3	10675.7	10568.1	10671.2	10648.4	10677.2	10684.8	10653.0	10675.7	10651.5	10643.9
7°	9356.0	9245.4	9260.6	9218.1	9263.6	9293.9	9312.1	9257.5	9301.5	9371.2	9390.9
8°	7900.0	7868.2	7836.3	7912.1	7890.9	7927.2	7950.0	8010.6	8007.5	8028.8	8098.5
9°	6513.6	6560.6	6589.4	6522.7	6580.3	6468.2	6507.6	6669.7	6627.2	6669.7	6793.9
10°	5377.3	5415.1	5372.7	5371.2	5310.6	5236.3	5231.8	5292.4	5419.7	5519.7	5490.9
12.5°	2966.7	3000.0	3004.5	3001.5	2892.4	2769.7	2792.4	2840.9	2919.7	2953.0	3007.6
15°	1568.2	1566.7	1583.3	1536.4	1478.8	1400.0	1406.1	1472.7	1531.8	1547.0	1536.4
17.5°	804.5	807.6	819.7	807.6	747.0	754.5	771.2	778.8	813.6	827.3	819.7
20°	453.0	454.5	453.0	457.6	433.3	439.4	460.6	462.1	469.7	477.3	475.8
22.5°	259.1	260.6	269.7	266.7	260.6	268.2	272.7	280.3	283.3	280.3	289.4
25°	124.2	125.8	125.8	143.9	153.0	160.6	163.6	160.6	157.6	145.5	143.9
27.5°	71.2	71.2	74.2	75.8	78.8	92.4	90.9	75.8	63.6	63.6	65.2
30°	42.4	40.9	40.9	42.4	43.9	45.5	42.4	40.9	40.9	42.4	40.9
32.5°	25.8	25.8	25.8	24.2	24.2	22.7	22.7	25.8	25.8	25.8	25.8
35°	15.2	15.2	15.2	15.2	13.6	13.6	13.6	15.2	15.2	13.6	13.6
37.5°	9.1	9.1	9.1	7.6	7.6	6.1	7.6	7.6	7.6	7.6	7.6
40°	6.1	6.1	4.5	4.5	3.0	3.0	3.0	4.5	4.5	4.5	4.5
42.5°	4.5	4.5	3.0	3.0	1.5	1.5	1.5	3.0	3.0	3.0	3.0
45°	3.0	3.0	3.0	1.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0
47.5°	3.0	3.0	1.5	1.5	0.0	0.0	0.0	1.5	1.5	1.5	1.5
50°	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5
52.5°	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5
55°	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5
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	1.5	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)