

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: P1314678

Luminaire Tested: P3SQAS20R259735D010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314678
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R259735D010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 97CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

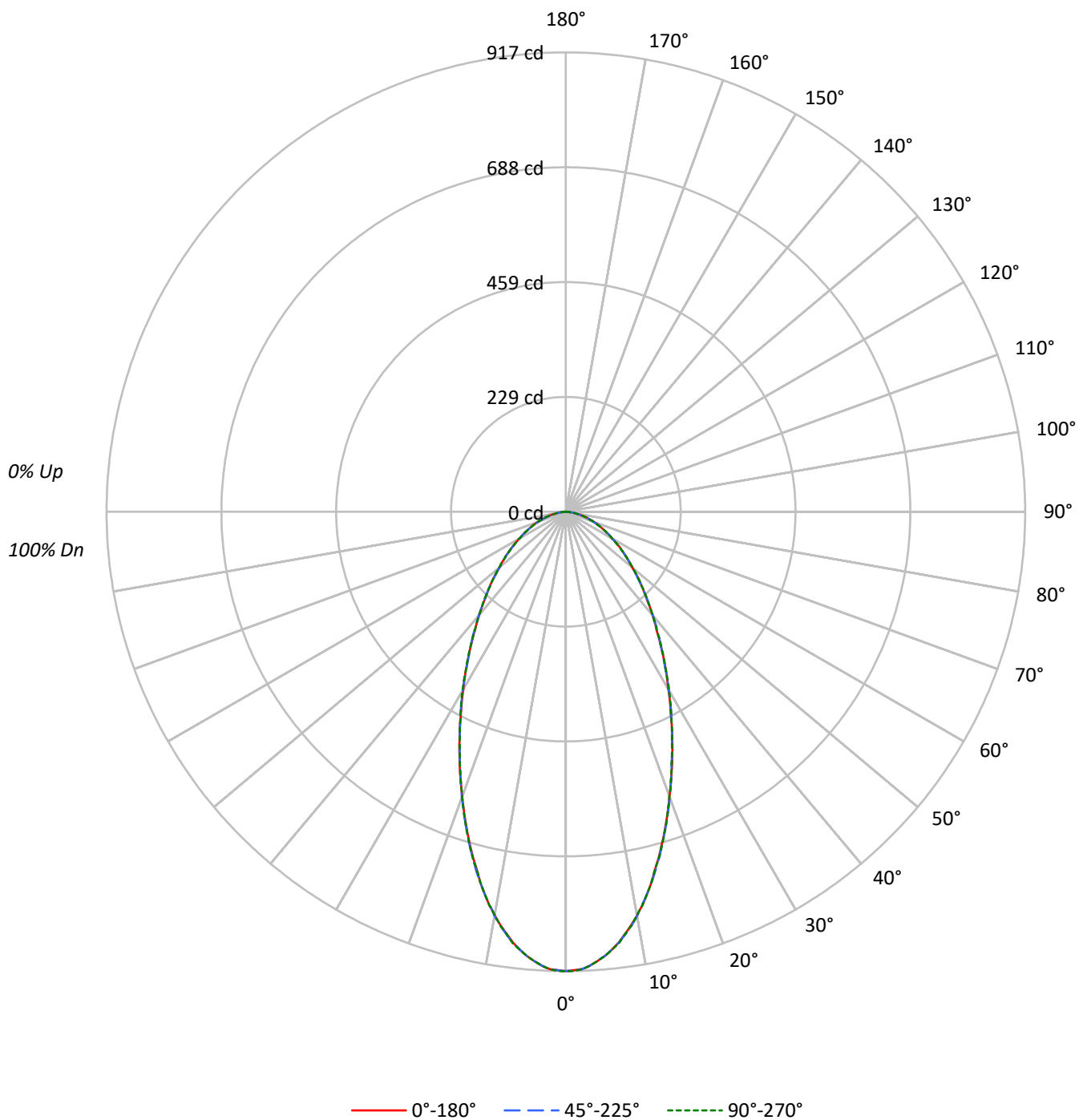
Lumens per Lamp: N/A
Luminaire Lumens: 1148.0 lumens
Efficiency: N/A
Efficacy: 39.9 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	111	107	104	100	108	105	102	99	101	98	96		97	95	93		93
2	103	96	90	86	100	94	89	85	91	86	83		88	84	81		85
3	95	87	80	74	93	85	79	74	82	77	72		80	75	71		77
4	89	79	71	65	87	77	70	65	75	69	64		73	68	63		71
5	83	72	64	58	81	71	64	58	69	62	58		67	61	57		65
6	77	66	58	53	76	65	58	52	63	57	52		62	56	52		60
7	73	61	53	48	71	60	53	48	59	52	47		57	51	47		56
8	68	56	49	44	67	56	49	44	55	48	44		53	48	43		52
9	64	53	45	40	63	52	45	40	51	45	40		50	44	40		49
10	61	49	42	37	60	49	42	37	48	42	37		47	41	37		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	157928	157928	157928
5°	153898	153898	153898
10°	142999	143279	142999
15°	127537	127822	127822
20°	110882	111175	110882
25°	95507	95203	95203
30°	81455	81774	82092
35°	69885	69885	70222
40°	60567	60567	60567
45°	52950	52950	52950
50°	46432	46432	46861
55°	41616	41616	41616
60°	36890	36890	36890
65°	33375	33375	33375
70°	30162	29357	30162
75°	27282	26217	26217
80°	21919	21919	21919
85°	15611	15611	15611

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 52950 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.7	7.2
10°-20°	199.6	17.4
20°-30°	230.6	20.1
30°-40°	209.1	18.2
40°-50°	168.5	14.7
50°-60°	124.1	10.8
60°-70°	81.6	7.1
70°-80°	42.1	3.7
80°-90°	9.6	0.8
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°	512.9	44.7
0°-40°	722.0	62.9
0°-60°	1014.6	88.4
0°-90°	1148.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1148.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	917	917	917	917	917	
5°	890	893	890	890	890	83
15°	715	717	717	715	717	199
25°	503	501	501	503	501	231
35°	332	332	332	332	334	209
45°	217	217	217	217	217	168
55°	139	139	139	137	139	125
65°	82	82	82	82	82	82
75°	41	39	39	39	39	43
85°	8	8	8	8	8	10
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	917.0	917.0	917.0	917.0	917.0
1°	915.4	918.5	915.4	915.4	917.0
2°	913.8	915.4	913.8	913.8	913.8
3°	907.5	910.6	907.5	907.5	907.5
4°	899.6	902.8	899.6	899.6	899.6
5°	890.2	893.3	890.2	890.2	890.2
6°	879.1	880.7	879.1	879.1	879.1
7°	866.5	868.1	866.5	866.5	868.1
8°	850.8	852.4	852.4	850.8	850.8
9°	835.0	836.6	836.6	835.0	836.6
10°	817.7	819.3	819.3	817.7	817.7
11°	800.4	801.9	798.8	798.8	800.4
12°	779.9	781.5	779.9	779.9	779.9
13°	759.4	759.4	759.4	759.4	759.4
14°	735.8	738.9	738.9	737.3	735.8
15°	715.3	716.9	716.9	715.3	716.9
17.5°	660.1	663.3	661.7	661.7	661.7
20°	605.0	606.6	606.6	605.0	605.0
22.5°	553.0	551.4	551.4	551.4	551.4
25°	502.6	501.0	501.0	502.6	501.0
27.5°	453.7	455.3	455.3	453.7	455.3
30°	409.6	409.6	411.2	409.6	412.8
32.5°	370.2	370.2	368.7	370.2	370.2
35°	332.4	332.4	332.4	332.4	334.0
37.5°	297.8	299.3	300.9	300.9	299.3
40°	269.4	269.4	269.4	269.4	269.4
42.5°	241.1	241.1	242.6	242.6	242.6
45°	217.4	217.4	217.4	217.4	217.4
47.5°	195.4	195.4	193.8	193.8	195.4
50°	173.3	174.9	173.3	173.3	174.9
52.5°	156.0	154.4	154.4	156.0	156.0
55°	138.6	138.6	138.6	137.1	138.6
57.5°	122.9	122.9	121.3	121.3	121.3
60°	107.1	107.1	107.1	107.1	107.1
62.5°	94.5	94.5	94.5	94.5	94.5
65°	81.9	81.9	81.9	81.9	81.9
67.5°	70.9	70.9	70.9	70.9	69.3
70°	59.9	59.9	58.3	58.3	59.9
72.5°	48.8	48.8	48.8	48.8	48.8
75°	41.0	39.4	39.4	39.4	39.4
77.5°	31.5	31.5	29.9	31.5	29.9
80°	22.1	22.1	22.1	22.1	22.1
82.5°	15.8	14.2	14.2	14.2	14.2
85°	7.9	7.9	7.9	7.9	7.9
87.5°	1.6	1.6	1.6	1.6	3.2



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)