

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: P1316509

Luminaire Tested: P3SQAS20R209827D010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316509
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R209827D010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 98CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

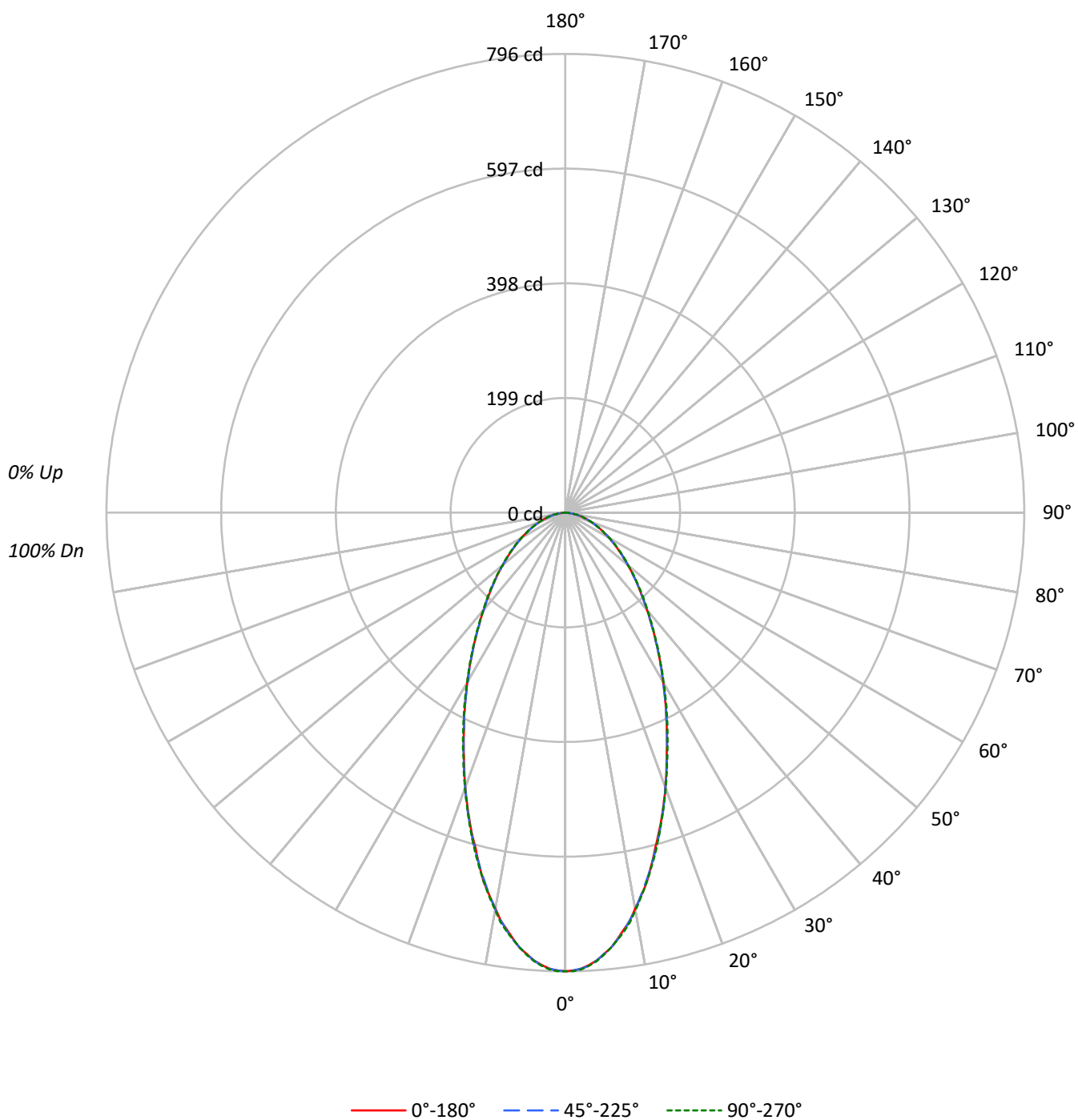
Lumens per Lamp: N/A
Luminaire Lumens: 952.0 lumens
Efficiency: N/A
Efficacy: 34.7 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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	91	86	100	94	89	85	91	87	83		88	84	81		85
3	96	87	80	75	93	85	79	74	82	77	73		80	75	72		77
4	89	79	71	66	87	78	71	65	75	69	65		73	68	64		71
5	83	72	64	59	81	71	64	58	69	63	58		67	62	57		65
6	78	66	59	53	76	65	58	53	64	57	52		62	56	52		61
7	73	61	54	48	71	60	53	48	59	53	48		58	52	48		56
8	69	57	49	44	67	56	49	44	55	49	44		54	48	44		53
9	65	53	46	41	63	52	46	41	51	45	41		50	45	40		49
10	61	50	43	38	60	49	42	38	48	42	38		47	42	38		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	137072	137072	137072
5°	132928	132928	133170
10°	122031	122293	122538
15°	107442	107959	108209
20°	92994	92994	93251
25°	79127	79127	79678
30°	67555	67276	67833
35°	57670	57670	57965
40°	49528	49528	49843
45°	43281	43281	43622
50°	38073	38073	38073
55°	33719	33719	34140
60°	30346	30346	30346
65°	27222	27222	27222
70°	24321	24321	24321
75°	21759	20828	21759
80°	18348	18348	18348
85°	11263	11263	14030

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 43622 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.2	7.5
10°-20°	168.5	17.7
20°-30°	191.9	20.2
30°-40°	172.3	18.1
40°-50°	138.1	14.5
50°-60°	101.4	10.7
60°-70°	66.3	7.0
70°-80°	34.4	3.6
80°-90°	8.0	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°	431.6	45.3
0°-40°	603.9	63.4
0°-60°	843.4	88.6
0°-90°	952.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	952.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	796	796	796	796	796	
5°	769	769	769	769	770	71
15°	603	603	606	606	607	168
25°	416	416	416	418	419	192
35°	274	274	274	274	276	172
45°	178	178	178	178	179	138
55°	112	112	112	112	114	101
65°	67	65	67	67	67	66
75°	33	31	31	33	33	35
85°	6	6	6	7	7	8
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	795.9	795.9	795.9	795.9	795.9
1°	794.5	793.1	794.5	794.5	795.9
2°	791.7	791.7	791.7	790.2	793.1
3°	786.0	786.0	787.4	786.0	787.4
4°	778.9	778.9	778.9	777.4	780.3
5°	768.9	768.9	768.9	768.9	770.3
6°	759.0	757.5	759.0	757.5	759.0
7°	744.8	744.8	746.2	744.8	746.2
8°	730.5	729.1	732.0	730.5	733.4
9°	716.3	714.9	716.3	714.9	719.2
10°	697.8	699.3	699.3	699.3	700.7
12.5°	655.2	652.4	652.4	652.4	655.2
15°	602.6	602.6	605.5	605.5	606.9
17.5°	555.7	554.3	557.1	557.1	557.1
20°	507.4	506.0	507.4	507.4	508.8
22.5°	459.1	460.5	460.5	460.5	461.9
25°	416.4	416.4	416.4	417.9	419.3
27.5°	376.6	375.2	376.6	378.1	379.5
30°	339.7	338.3	338.3	339.7	341.1
32.5°	305.6	304.2	305.6	305.6	307.0
35°	274.3	274.3	274.3	274.3	275.7
37.5°	245.9	245.9	245.9	247.3	247.3
40°	220.3	220.3	220.3	221.7	221.7
42.5°	197.6	197.6	197.6	199.0	200.4
45°	177.7	177.7	177.7	177.7	179.1
47.5°	159.2	159.2	159.2	160.6	160.6
50°	142.1	140.7	142.1	143.5	142.1
52.5°	126.5	126.5	126.5	126.5	127.9
55°	112.3	112.3	112.3	112.3	113.7
57.5°	99.5	99.5	99.5	100.9	100.9
60°	88.1	88.1	88.1	88.1	88.1
62.5°	76.7	76.7	76.7	76.7	76.7
65°	66.8	65.4	66.8	66.8	66.8
67.5°	56.9	56.9	56.9	56.9	56.9
70°	48.3	48.3	48.3	48.3	48.3
72.5°	39.8	39.8	39.8	39.8	39.8
75°	32.7	31.3	31.3	32.7	32.7
77.5°	25.6	24.2	25.6	25.6	25.6
80°	18.5	18.5	18.5	18.5	18.5
82.5°	11.4	11.4	11.4	12.8	12.8
85°	5.7	5.7	5.7	7.1	7.1
87.5°	1.4	1.4	1.4	2.8	2.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)