

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: P1316588

Luminaire Tested: P3SQAS20R509827D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316588
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R509827D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

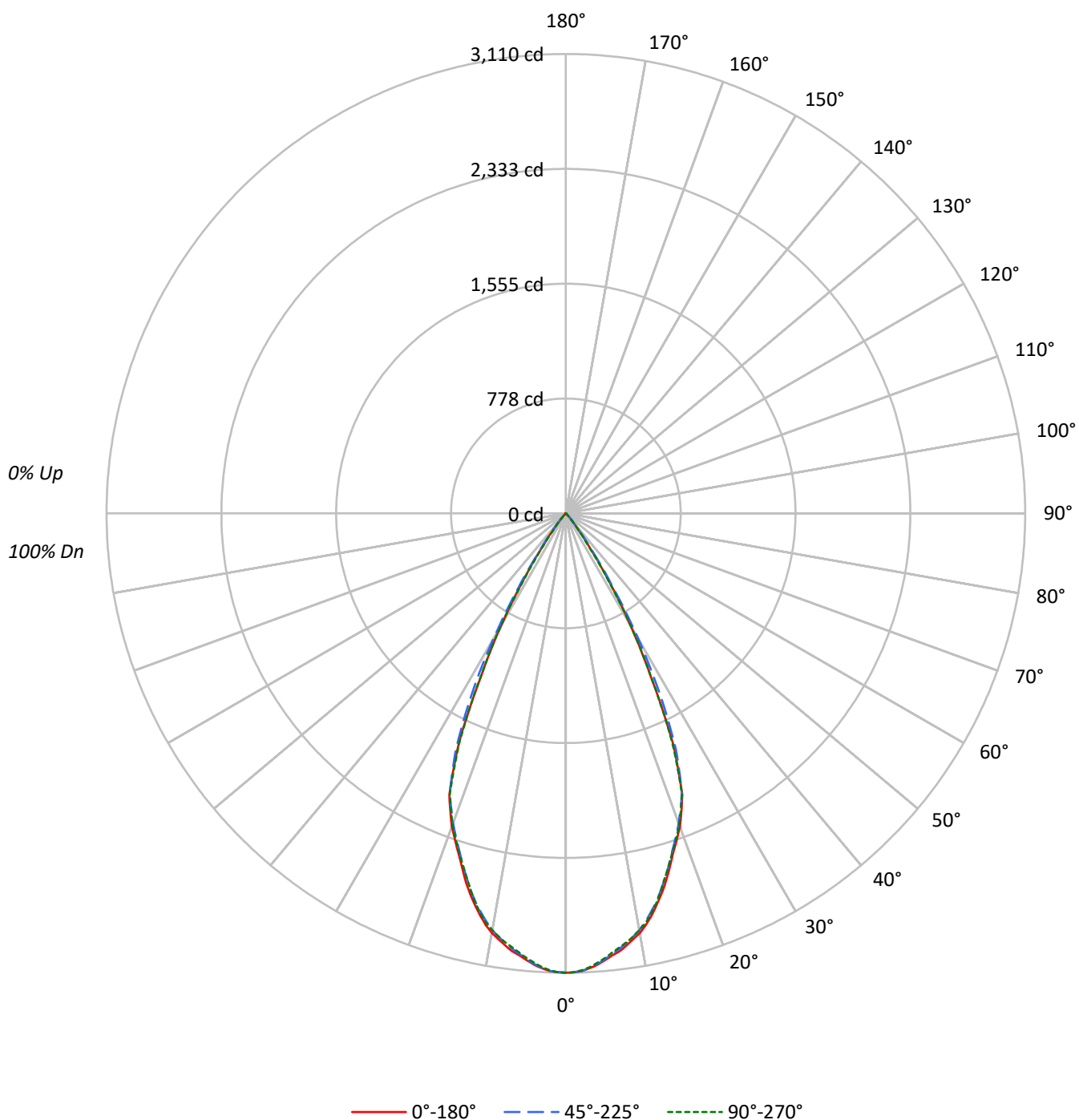
Lumens per Lamp: N/A
Luminaire Lumens: 2004.0 lumens
Efficiency: N/A
Efficacy: 73.1 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			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	114	112	109	107	112	109	107	106	105	104	102		102	100	99		98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94	93	91	90
3	105	99	94	91	103	98	93	90	95	92	89		93	90	87		90	88	86	85
4	100	93	89	85	98	92	88	84	90	86	83		88	85	82		87	84	81	80
5	96	88	83	80	94	88	83	79	86	82	78		84	81	78		83	80	77	76
6	92	84	79	75	90	83	78	75	82	77	74		80	77	74		79	76	73	72
7	88	80	74	71	87	79	74	71	78	73	70		77	73	70		76	72	69	68
8	84	76	71	67	83	75	70	67	74	70	67		73	69	66		72	69	66	65
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69	66	63	62
10	78	69	64	60	77	69	64	60	68	63	60		67	63	60		66	63	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	535561	535561	535561
5°	525055	524070	522600
10°	504510	501030	501274
15°	463129	458832	458315
20°	413763	409328	411417
25°	325193	334656	322494
30°	173987	194908	174544
35°	56829	66395	53528
40°	14074	17581	13422
45°	1729	6235	1729
50°	1152	1902	1152
55°	1291	1291	1291
60°	964	964	964
65°	1141	1141	1141
70°	705	705	705
75°	932	932	932
80°	1389	1389	1389
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 6235 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.3	14.2
10°-20°	719.1	35.9
20°-30°	756.4	37.7
30°-40°	218.0	10.9
40°-50°	17.7	0.9
50°-60°	3.8	0.2
60°-70°	2.7	0.1
70°-80°	1.5	0.1
80°-90°	0.4	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°	1759.9	87.8
0°-40°	1977.9	98.7
0°-60°	1999.4	99.8
0°-90°	2004.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2004.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3110	3110	3110	3110	3110	
5°	3037	3036	3031	3034	3023	285
15°	2598	2580	2573	2573	2570	723
25°	1711	1754	1761	1741	1697	742
35°	270	280	316	270	255	209
45°	7	14	26	14	7	13
55°	4	4	4	4	4	4
65°	3	3	3	3	3	3
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3109.7	3109.7	3109.7	3109.7	3109.7
1°	3108.2	3111.1	3105.4	3115.3	3106.8
2°	3101.1	3102.5	3099.7	3106.8	3095.4
3°	3084.1	3086.9	3081.2	3086.9	3076.9
4°	3064.1	3064.1	3058.4	3062.7	3049.9
5°	3037.1	3035.7	3031.4	3034.3	3022.9
6°	3008.7	3007.2	3000.1	3000.1	2991.6
7°	2987.3	2977.4	2971.7	2970.2	2961.7
8°	2953.2	2950.3	2939.0	2939.0	2933.3
9°	2919.0	2916.2	2903.4	2906.2	2902.0
10°	2884.9	2874.9	2865.0	2866.4	2866.4
11°	2839.4	2830.8	2816.6	2822.3	2825.2
12°	2785.3	2775.4	2762.6	2773.9	2772.5
13°	2725.6	2717.0	2707.1	2715.6	2712.8
14°	2663.0	2650.2	2641.6	2647.3	2644.5
15°	2597.5	2580.5	2573.4	2573.4	2570.5
17.5°	2414.0	2404.1	2397.0	2392.7	2402.7
20°	2257.6	2249.0	2233.4	2237.6	2244.8
22.5°	2061.3	2059.8	2051.3	2044.2	2052.7
25°	1711.3	1754.0	1761.1	1741.2	1697.1
27.5°	1243.3	1342.9	1378.4	1331.5	1250.4
30°	874.9	921.8	980.1	887.7	877.7
32.5°	527.8	540.6	594.6	530.6	516.4
35°	270.3	280.2	315.8	270.3	254.6
37.5°	126.6	132.3	146.5	126.6	118.1
40°	62.6	69.7	78.2	65.4	59.7
42.5°	27.0	35.6	45.5	34.1	24.2
45°	7.1	14.2	25.6	14.2	7.1
47.5°	4.3	5.7	14.2	5.7	4.3
50°	4.3	4.3	7.1	4.3	4.3
52.5°	4.3	4.3	4.3	4.3	4.3
55°	4.3	4.3	4.3	4.3	4.3
57.5°	4.3	4.3	4.3	4.3	4.3
60°	2.8	4.3	2.8	4.3	2.8
62.5°	2.8	2.8	2.8	2.8	2.8
65°	2.8	2.8	2.8	2.8	2.8
67.5°	2.8	2.8	2.8	2.8	2.8
70°	1.4	1.4	1.4	1.4	1.4
72.5°	1.4	1.4	1.4	1.4	1.4
75°	1.4	1.4	1.4	1.4	1.4
77.5°	1.4	1.4	1.4	1.4	1.4
80°	1.4	1.4	1.4	1.4	1.4
82.5°	0.0	1.4	0.0	1.4	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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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)