

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: P1312796

Luminaire Tested: P3SQAS20R509727D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312796
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: P3SQAS20R509727D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

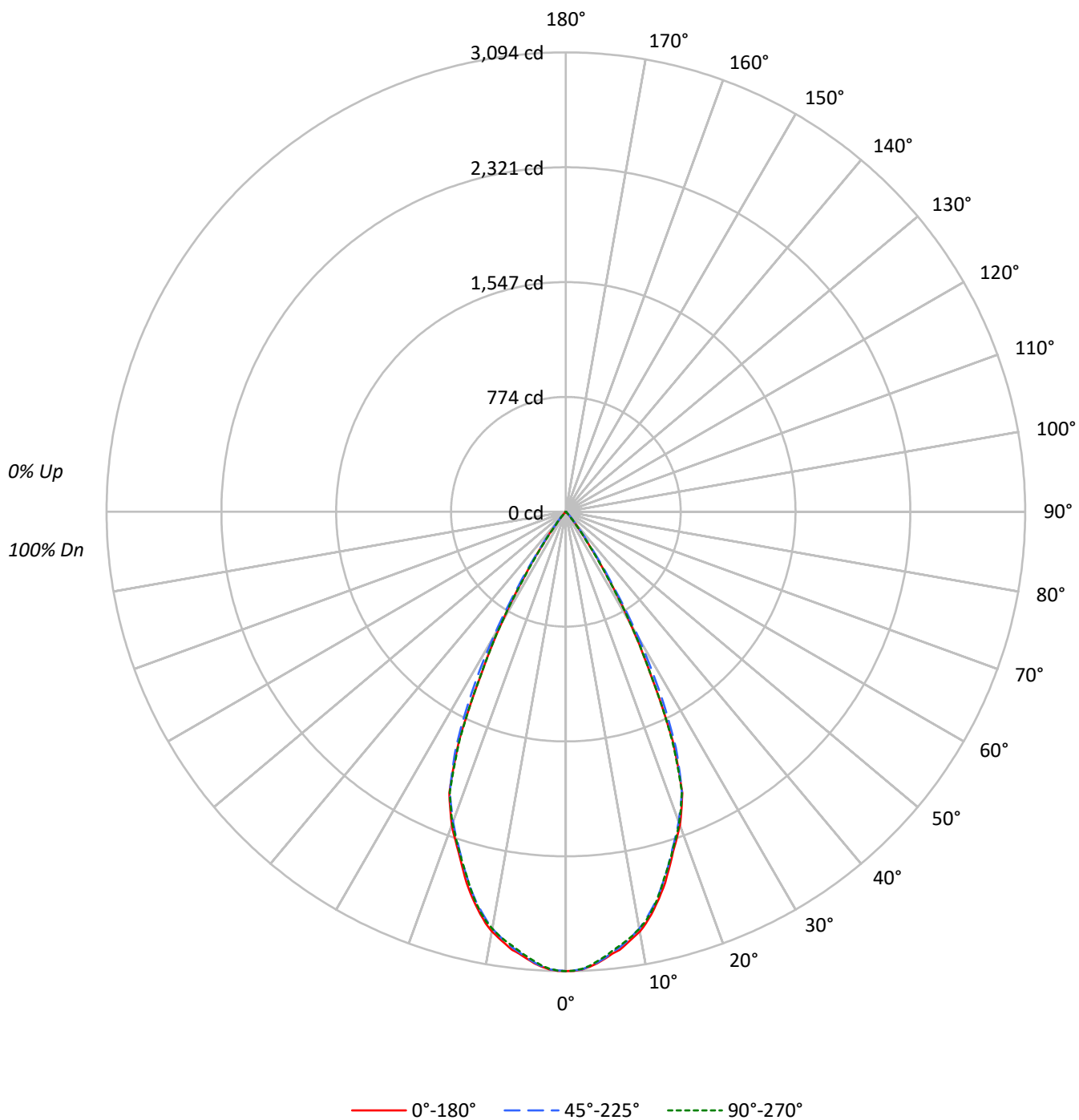
Lumens per Lamp: N/A
Luminaire Lumens: 1993.9 lumens
Efficiency: N/A
Efficacy: 69.2 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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			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°	532874	532874	532874
5°	522445	521459	519990
10°	501991	498529	498774
15°	460829	456532	456033
20°	411692	407275	409364
25°	323577	332984	320879
30°	173112	193934	173669
35°	56535	66059	53276
40°	14006	17491	13354
45°	1729	6211	1729
50°	1125	1902	1125
55°	1261	1261	1261
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: 6211 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.9	14.2
10°-20°	715.6	35.9
20°-30°	752.6	37.7
30°-40°	216.9	10.9
40°-50°	17.6	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°	1751.1	87.8
0°-40°	1968.0	98.7
0°-60°	1989.4	99.8
0°-90°	1993.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1993.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3094	3094	3094	3094	3094	
5°	3022	3020	3016	3019	3008	284
15°	2585	2568	2560	2560	2558	720
25°	1703	1745	1752	1732	1689	738
35°	269	279	314	269	253	208
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°	3094.1	3094.1	3094.1	3094.1	3094.1
1°	3092.7	3095.6	3089.9	3099.8	3091.3
2°	3085.6	3087.1	3084.2	3091.3	3080.0
3°	3068.7	3071.5	3065.8	3071.5	3061.6
4°	3048.8	3048.8	3043.2	3047.4	3034.7
5°	3022.0	3020.5	3016.3	3019.1	3007.8
6°	2993.6	2992.2	2985.2	2985.2	2976.7
7°	2972.4	2962.5	2956.8	2955.4	2946.9
8°	2938.4	2935.6	2924.3	2924.3	2918.6
9°	2904.5	2901.6	2888.9	2891.7	2887.5
10°	2870.5	2860.6	2850.7	2852.1	2852.1
11°	2825.2	2816.7	2802.6	2808.2	2811.1
12°	2771.4	2761.5	2748.8	2760.1	2758.7
13°	2712.0	2703.5	2693.6	2702.1	2699.2
14°	2649.7	2637.0	2628.5	2634.1	2631.3
15°	2584.6	2567.6	2560.5	2560.5	2557.7
17.5°	2402.0	2392.1	2385.0	2380.8	2390.7
20°	2246.3	2237.8	2222.2	2226.5	2233.6
22.5°	2051.0	2049.5	2041.1	2034.0	2042.5
25°	1702.8	1745.2	1752.3	1732.5	1688.6
27.5°	1237.1	1336.2	1371.6	1324.8	1244.2
30°	870.5	917.2	975.2	883.2	873.3
32.5°	525.1	537.9	591.7	528.0	513.8
35°	268.9	278.8	314.2	268.9	253.4
37.5°	126.0	131.6	145.8	126.0	117.5
40°	62.3	69.4	77.8	65.1	59.4
42.5°	26.9	35.4	45.3	34.0	24.1
45°	7.1	14.2	25.5	14.2	7.1
47.5°	4.2	5.7	14.2	5.7	4.2
50°	4.2	4.2	7.1	4.2	4.2
52.5°	4.2	4.2	4.2	4.2	4.2
55°	4.2	4.2	4.2	4.2	4.2
57.5°	4.2	4.2	4.2	4.2	4.2
60°	2.8	4.2	2.8	4.2	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)