

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: P1308372

Luminaire Tested: P3SQAS20R559030D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308372
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R559030D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

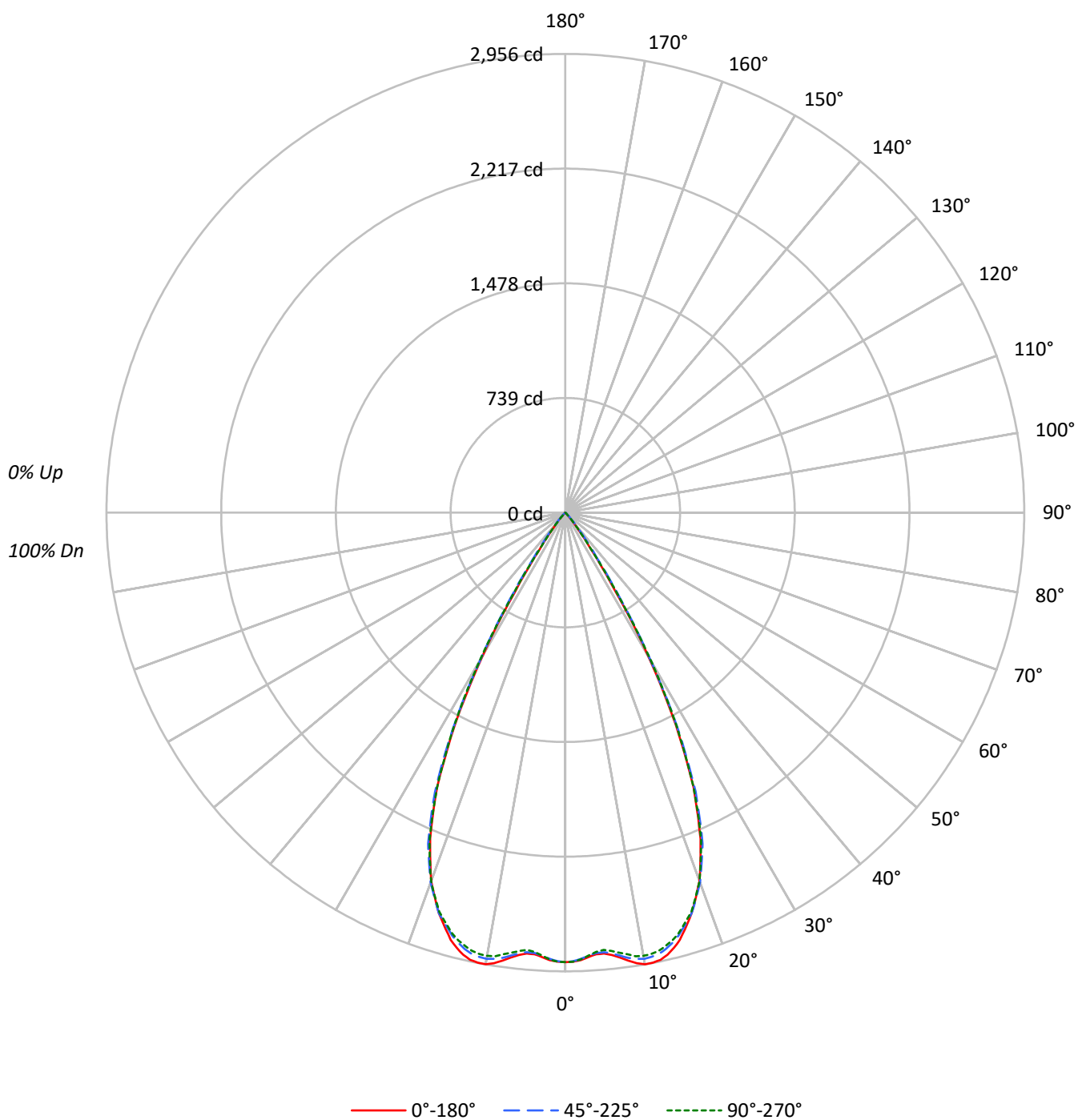
Lumens per Lamp: N/A
Luminaire Lumens: 2202.0 lumens
Efficiency: N/A
Efficacy: 76.5 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	498826	498826	498826
5°	493124	491672	489044
10°	516874	510665	507115
15°	508274	502854	501053
20°	462972	464823	463284
25°	371426	377203	371426
30°	213184	218553	220244
35°	60782	73228	62569
40°	15580	22437	15962
45°	1656	7818	1242
50°	0	1366	0
55°	0	0	0
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: 45°

Vertical Angle: 45°

Luminance: 7818 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	275.0	12.5
10°-20°	784.7	35.6
20°-30°	864.3	39.3
30°-40°	258.0	11.7
40°-50°	19.8	0.9
50°-60°	0.1	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°	1924.0	87.4
0°-40°	2182.0	99.1
0°-60°	2202.0	100.0
0°-90°	2202.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2202.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2896	2896	2896	2896	2896	
5°	2852	2847	2844	2832	2829	277
15°	2851	2830	2820	2808	2810	790
25°	1955	1955	1985	1982	1955	856
35°	289	308	348	318	298	239
45°	7	17	32	17	5	13
55°	0	0	0	0	0	0
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2896.4	2896.4	2896.4	2896.4	2896.4
1°	2894.7	2894.7	2891.3	2889.6	2894.7
2°	2886.2	2886.2	2877.8	2876.1	2881.2
3°	2867.6	2866.0	2859.2	2854.1	2857.5
4°	2852.4	2849.0	2844.0	2835.5	2837.2
5°	2852.4	2847.4	2844.0	2832.1	2828.8
6°	2866.0	2862.6	2855.8	2844.0	2840.6
7°	2889.6	2882.9	2876.1	2860.9	2857.5
8°	2915.0	2909.9	2896.4	2881.2	2874.4
9°	2940.4	2928.5	2911.6	2896.4	2894.7
10°	2955.6	2938.7	2920.1	2901.5	2899.8
11°	2953.9	2938.7	2916.7	2899.8	2898.1
12°	2947.1	2925.1	2906.5	2886.2	2887.9
13°	2923.4	2903.2	2884.6	2869.3	2866.0
14°	2891.3	2872.7	2855.8	2840.6	2842.3
15°	2850.7	2830.4	2820.3	2808.5	2810.2
17.5°	2707.0	2701.9	2707.0	2693.5	2698.6
20°	2526.1	2521.0	2536.2	2529.5	2527.8
22.5°	2274.2	2280.9	2309.7	2301.2	2286.0
25°	1954.6	1954.6	1985.0	1981.7	1954.6
27.5°	1538.7	1550.5	1569.1	1577.5	1557.3
30°	1072.0	1099.0	1099.0	1115.9	1107.5
32.5°	598.6	656.0	669.6	678.0	644.2
35°	289.1	307.7	348.3	317.9	297.6
37.5°	138.6	147.1	187.7	152.2	142.0
40°	69.3	79.5	99.8	82.9	71.0
42.5°	28.7	42.3	52.4	42.3	28.7
45°	6.8	16.9	32.1	16.9	5.1
47.5°	0.0	1.7	15.2	3.4	0.0
50°	0.0	0.0	5.1	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	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)