

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: P1305752

Luminaire Tested: P3SQASS09R309024DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305752
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQASS09R309024DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

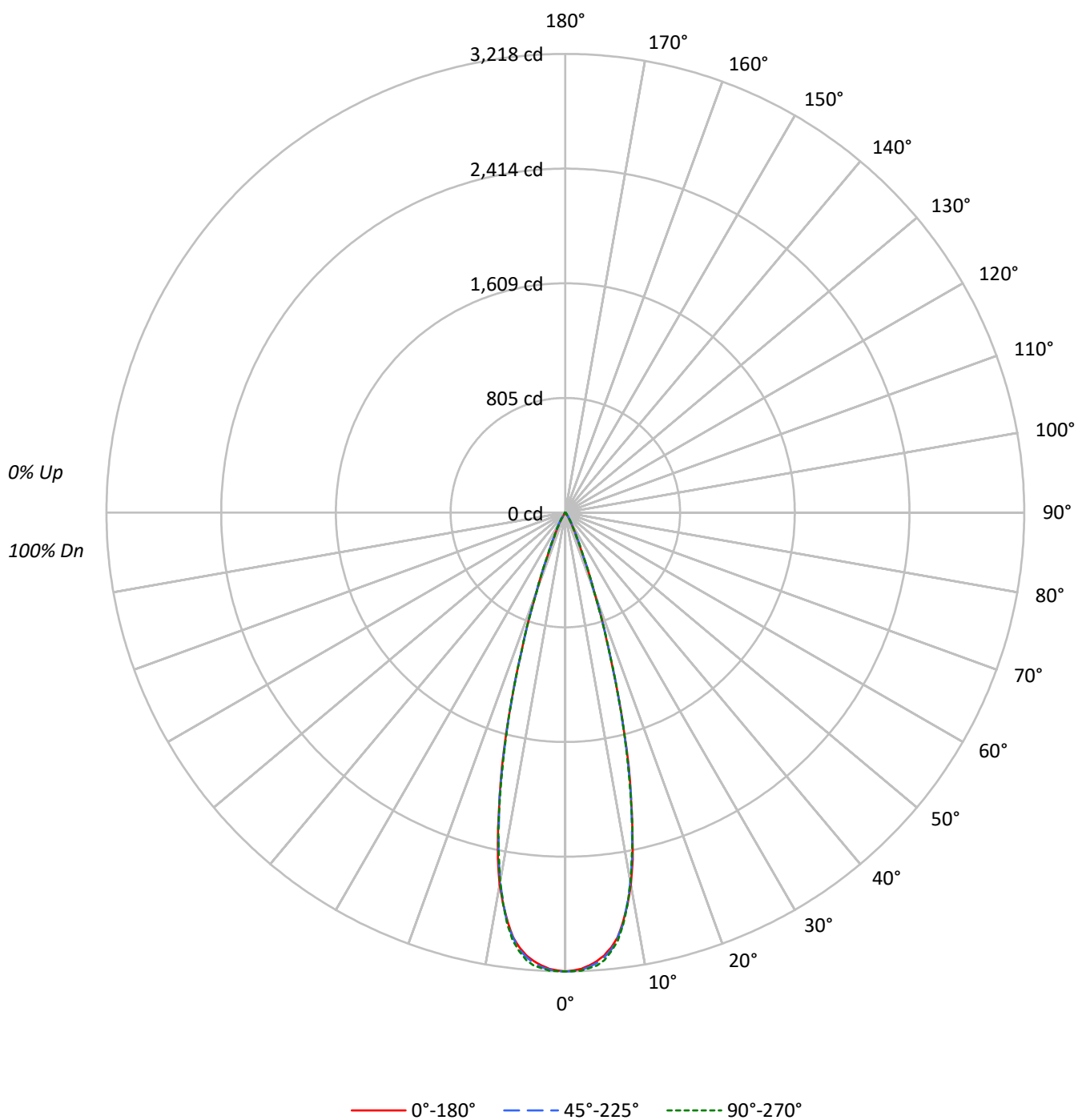
Lumens per Lamp: N/A
Luminaire Lumens: 836.9 lumens
Efficiency: N/A
Efficacy: 75.4 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	98
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	93	92
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	90	89
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	87	86
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	84	83
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	83	82	81
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	81	80	79
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	78	77	76
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	76	75	74
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	74	73	72

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	554264	554264	554264
5°	539076	541410	544764
10°	463553	459601	460055
15°	284831	282531	282763
20°	108407	108646	106630
25°	34471	36314	34604
30°	13861	17202	14259
35°	4478	7611	4478
40°	2023	3350	2023
45°	779	1413	779
50°	348	697	348
55°	390	390	390
60°	448	448	448
65°	245	245	245
70°	302	302	302
75°	399	399	399
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1413 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.9	33.9
10°-20°	421.1	50.3
20°-30°	104.6	12.5
30°-40°	20.9	2.5
40°-50°	3.8	0.5
50°-60°	1.2	0.1
60°-70°	0.8	0.1
70°-80°	0.6	0.1
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°	809.6	96.7
0°-40°	830.5	99.2
0°-60°	835.5	99.8
0°-90°	836.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	836.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3218	3218	3218	3218	3218	
5°	3118	3128	3132	3136	3151	283
15°	1598	1601	1585	1590	1586	423
25°	181	185	191	188	182	102
35°	21	28	36	27	21	17
45°	3	4	6	4	3	3
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
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°	3218.3	3218.3	3218.3	3218.3	3218.3
1°	3211.2	3215.0	3217.6	3217.6	3217.6
2°	3202.1	3204.7	3208.6	3209.2	3214.4
3°	3180.8	3186.6	3193.1	3196.9	3199.5
4°	3155.0	3162.7	3166.6	3176.3	3184.7
5°	3118.2	3128.5	3131.7	3136.2	3151.1
6°	3068.4	3076.2	3082.7	3084.6	3093.6
7°	3002.6	3006.5	3005.2	3008.4	3024.5
8°	2902.5	2903.8	2914.8	2907.7	2918.6
9°	2783.7	2778.5	2775.9	2781.1	2781.7
10°	2650.7	2633.2	2628.1	2623.5	2630.7
11°	2478.3	2455.7	2457.6	2456.3	2446.0
12°	2263.9	2261.3	2244.5	2247.7	2263.2
13°	2045.0	2049.5	2046.3	2050.2	2032.7
14°	1839.6	1817.7	1823.5	1801.6	1809.9
15°	1597.5	1600.7	1584.6	1589.8	1585.9
17.5°	1022.8	1029.9	1024.8	1020.2	1027.3
20°	591.5	590.8	592.8	587.0	581.8
22.5°	311.2	315.8	321.6	322.2	326.1
25°	181.4	185.3	191.1	188.5	182.1
27.5°	111.1	118.2	127.2	120.7	113.0
30°	69.7	75.5	86.5	76.2	71.7
32.5°	39.4	47.8	56.8	47.8	39.4
35°	21.3	27.8	36.2	27.1	21.3
37.5°	14.2	16.1	23.9	16.1	14.2
40°	9.0	11.0	14.9	11.0	9.0
42.5°	5.2	7.1	8.4	7.1	5.2
45°	3.2	3.9	5.8	4.5	3.2
47.5°	1.3	1.9	3.9	1.9	1.9
50°	1.3	1.3	2.6	1.3	1.3
52.5°	1.3	1.3	1.3	1.3	1.3
55°	1.3	1.3	1.3	1.3	1.3
57.5°	1.3	1.3	1.3	1.3	1.3
60°	1.3	1.3	1.3	1.3	1.3
62.5°	1.3	1.3	1.3	1.3	1.3
65°	0.6	0.6	0.6	0.6	0.6
67.5°	0.6	0.6	0.6	0.6	0.6
70°	0.6	0.6	0.6	0.6	0.6
72.5°	0.6	0.6	0.6	0.6	0.6
75°	0.6	0.6	0.6	0.6	0.6
77.5°	0.6	0.6	0.6	0.6	0.6
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)