

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: P1316079

Luminaire Tested: P3SQAS09R259827DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316079
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R259827DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

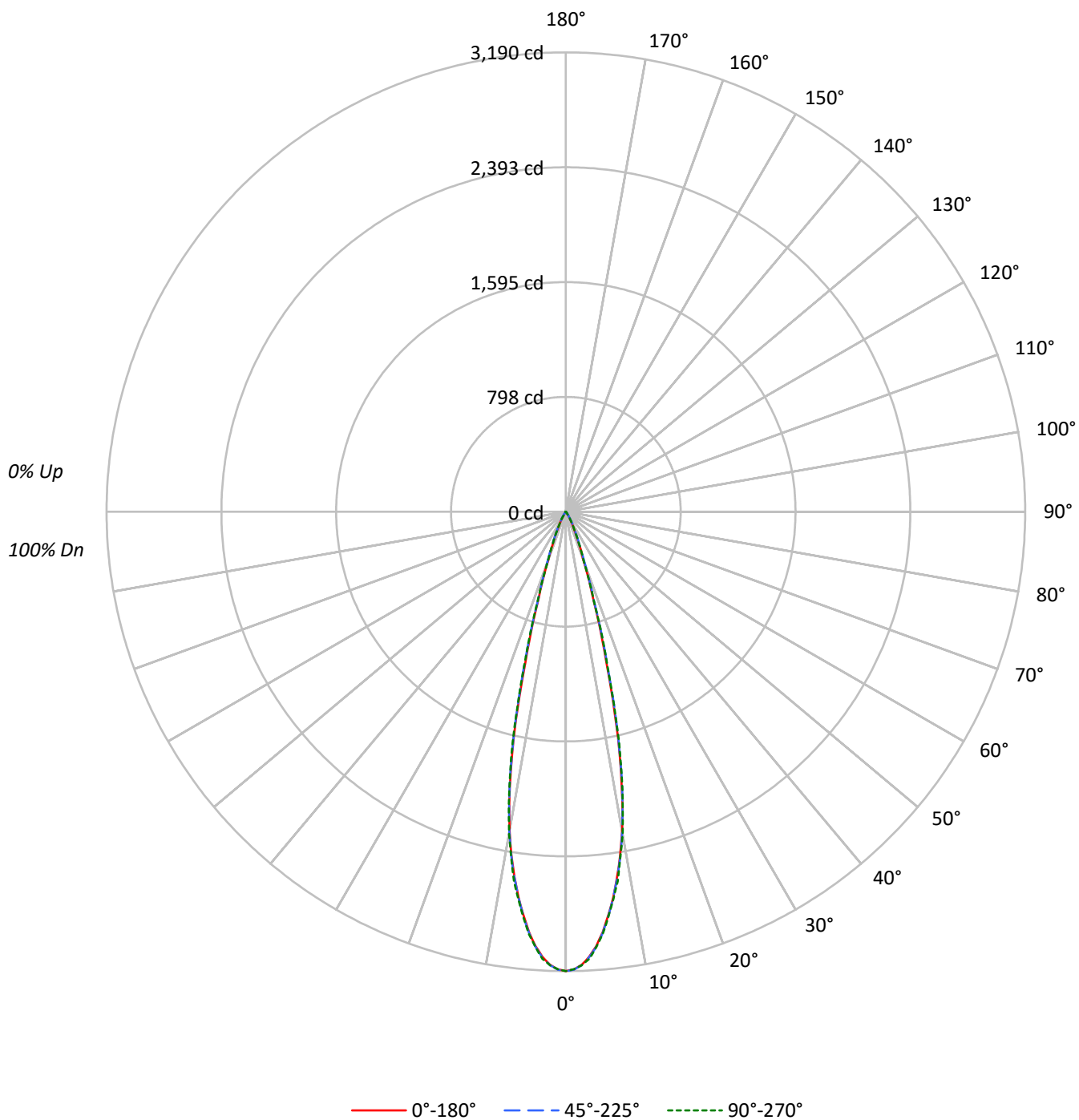
Lumens per Lamp: N/A
Luminaire Lumens: 664.0 lumens
Efficiency: N/A
Efficacy: 60.4 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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	115	113	111	110	113	111	110	108	107	106	105		103	103	102		100
2	112	108	105	103	110	107	104	102	104	102	100		101	99	98		98
3	108	104	101	98	107	103	100	97	100	98	96		98	96	94		96
4	105	100	97	94	104	99	96	93	97	95	92		96	93	91		94
5	103	97	93	90	101	96	93	90	95	92	89		93	91	89		92
6	100	94	90	87	99	93	90	87	92	89	87		91	88	86		90
7	97	91	87	85	96	91	87	84	90	86	84		89	86	84		88
8	95	89	85	82	94	88	85	82	87	84	82		87	84	82		86
9	93	86	83	80	92	86	82	80	85	82	80		85	82	80		84
10	91	84	81	78	90	84	80	78	83	80	78		83	80	78		82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	549390	549390	549390
5°	506574	507715	508770
10°	393321	394738	396871
15°	194380	202547	202636
20°	65448	69828	66749
25°	27098	30100	27877
30°	10639	13364	10739
35°	2775	5466	2901
40°	1034	2181	1034
45°	122	609	122
50°	0	134	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: 609 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.5	38.9
10°-20°	312.7	47.1
20°-30°	76.3	11.5
30°-40°	14.8	2.2
40°-50°	1.7	0.3
50°-60°	0.0	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°	647.5	97.5
0°-40°	662.3	99.7
0°-60°	664.0	100.0
0°-90°	664.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	664.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3190	3190	3190	3190	3190	
5°	2930	2934	2937	2950	2943	258
15°	1090	1116	1136	1147	1136	307
25°	143	150	158	152	147	73
35°	13	19	26	19	14	12
45°	0	2	2	2	0	1
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°	3190.0	3190.0	3190.0	3190.0	3190.0
1°	3177.7	3179.8	3180.3	3183.3	3177.2
2°	3148.7	3149.2	3150.7	3156.9	3151.2
3°	3095.2	3098.8	3099.3	3107.4	3109.0
4°	3022.4	3024.4	3028.5	3042.2	3030.0
5°	2930.2	2934.2	2936.8	2949.5	2942.9
6°	2816.1	2817.1	2822.7	2837.4	2828.3
7°	2699.9	2699.4	2699.9	2711.6	2709.1
8°	2559.8	2557.3	2565.4	2579.7	2589.4
9°	2413.6	2417.2	2422.3	2436.0	2424.8
10°	2249.1	2258.8	2257.2	2258.2	2269.4
11°	2059.6	2062.6	2063.1	2073.8	2072.3
12°	1837.0	1837.0	1853.8	1871.1	1865.5
13°	1612.3	1628.1	1616.9	1620.5	1642.9
14°	1350.5	1362.7	1378.0	1392.2	1381.0
15°	1090.2	1116.1	1136.0	1147.2	1136.5
17.5°	624.5	633.2	650.0	652.1	645.4
20°	357.1	367.8	381.0	377.0	364.2
22.5°	224.7	227.7	241.0	234.3	231.3
25°	142.6	150.3	158.4	151.8	146.7
27.5°	88.6	93.7	102.4	95.3	89.7
30°	53.5	58.1	67.2	57.6	54.0
32.5°	28.0	34.6	42.3	35.1	28.0
35°	13.2	18.8	26.0	18.8	13.8
37.5°	8.2	10.2	15.8	10.2	8.2
40°	4.6	6.6	9.7	6.6	4.6
42.5°	2.0	3.6	4.6	3.6	2.5
45°	0.5	1.5	2.5	1.5	0.5
47.5°	0.0	0.0	1.5	0.5	0.0
50°	0.0	0.0	0.5	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)