

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: P1312256

Luminaire Tested: P3SQAS09R259727DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312256
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-35)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R259727DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

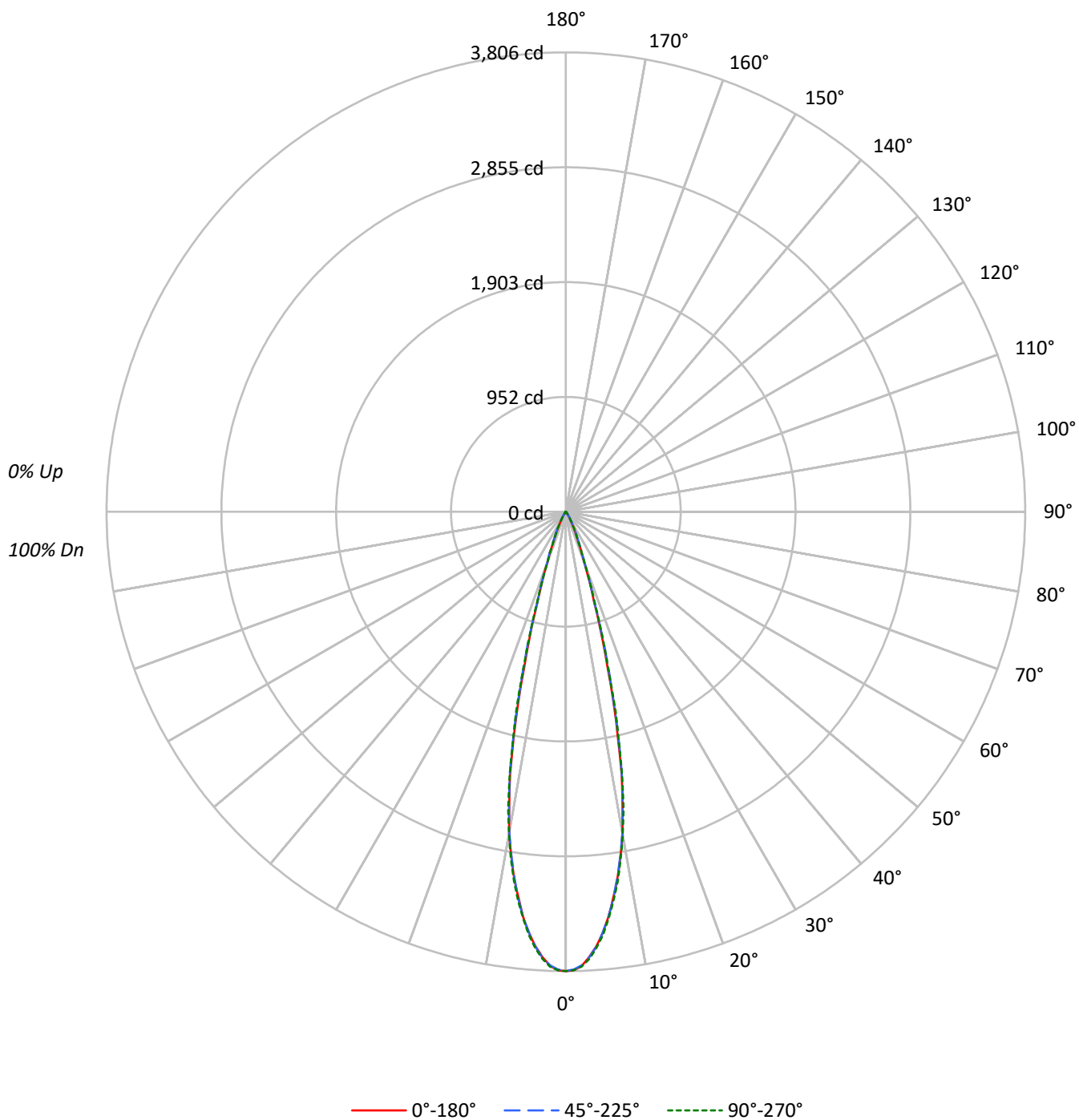
Lumens per Lamp: N/A
Luminaire Lumens: 803.9 lumens
Efficiency: N/A
Efficacy: 72.4 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	113	111	110	113	111	109	108	107	106	105		103	102	102		100
2	112	108	105	103	110	107	104	102	103	101	100		101	99	97		98
3	108	104	100	98	107	103	99	97	100	98	95		98	96	94		96
4	105	100	96	93	104	99	96	93	97	94	92		95	93	91		94
5	102	97	93	90	101	96	92	90	94	91	89		93	90	88		91
6	100	94	90	87	98	93	89	87	92	88	86		90	88	86		89
7	97	91	87	84	96	90	87	84	89	86	84		88	85	83		87
8	95	88	84	82	94	88	84	82	87	84	81		86	83	81		85
9	92	86	82	80	91	86	82	79	85	82	79		84	81	79		83
10	90	84	80	78	89	84	80	77	83	80	77		82	79	77		82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	655445	655445	655445
5°	605410	605203	608591
10°	472927	471632	474850
15°	237921	247852	247638
20°	81411	83647	82309
25°	32723	36789	34110
30°	13284	15830	12906
35°	3869	6959	3869
40°	1799	3035	1799
45°	609	1193	609
50°	322	482	322
55°	360	360	360
60°	413	413	413
65°	245	245	245
70°	302	302	302
75°	399	399	399
80°	0	595	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1193 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	308.8	38.4
10°-20°	377.9	47.0
20°-30°	92.3	11.5
30°-40°	19.1	2.4
40°-50°	3.3	0.4
50°-60°	1.1	0.1
60°-70°	0.9	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°	779.0	96.9
0°-40°	798.1	99.3
0°-60°	802.5	99.8
0°-90°	803.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	803.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3806	3806	3806	3806	3806	
5°	3502	3505	3501	3508	3520	308
15°	1334	1357	1390	1396	1389	373
25°	172	180	194	183	180	88
35°	18	26	33	25	18	16
45°	2	4	5	4	2	2
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°	3805.8	3805.8	3805.8	3805.8	3805.8
1°	3798.5	3793.6	3792.3	3793.0	3799.1
2°	3764.2	3761.1	3760.5	3762.3	3770.9
3°	3694.3	3698.0	3699.2	3705.3	3709.6
4°	3608.5	3615.9	3612.8	3620.2	3625.1
5°	3501.9	3505.0	3500.7	3508.1	3520.3
6°	3377.6	3366.5	3377.0	3380.0	3388.6
7°	3222.6	3225.0	3228.7	3232.4	3245.2
8°	3070.0	3062.7	3060.8	3078.0	3088.4
9°	2891.7	2893.0	2886.2	2905.8	2908.9
10°	2704.3	2688.9	2696.9	2712.2	2715.3
11°	2456.8	2452.5	2464.1	2488.0	2507.0
12°	2224.6	2227.0	2239.3	2247.2	2242.9
13°	1917.6	1936.0	1951.3	1959.3	1948.9
14°	1640.1	1640.1	1659.7	1662.7	1700.1
15°	1334.4	1357.0	1390.1	1396.2	1388.9
17.5°	770.7	773.8	789.7	789.1	800.7
20°	444.2	448.5	456.4	454.6	449.1
22.5°	267.1	276.3	295.3	280.0	275.7
25°	172.2	180.1	193.6	182.6	179.5
27.5°	107.8	113.3	123.8	114.0	109.1
30°	66.8	69.8	79.6	70.5	64.9
32.5°	36.1	44.1	52.1	44.1	36.1
35°	18.4	25.7	33.1	25.1	18.4
37.5°	12.3	14.7	21.4	14.1	12.3
40°	8.0	9.8	13.5	9.8	8.0
42.5°	4.3	6.1	7.4	6.7	4.3
45°	2.5	3.7	4.9	3.7	2.5
47.5°	1.8	1.8	3.1	1.8	1.2
50°	1.2	1.2	1.8	1.2	1.2
52.5°	1.2	1.2	1.2	1.2	1.2
55°	1.2	1.2	1.2	1.2	1.2
57.5°	1.2	1.2	1.2	1.2	1.2
60°	1.2	1.2	1.2	1.2	1.2
62.5°	1.2	1.2	1.2	1.2	1.2
65°	0.6	1.2	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	0.6	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)