

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: P1308786

Luminaire Tested: P3SQAS05R259035DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308786
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: P3SQAS05R259035DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

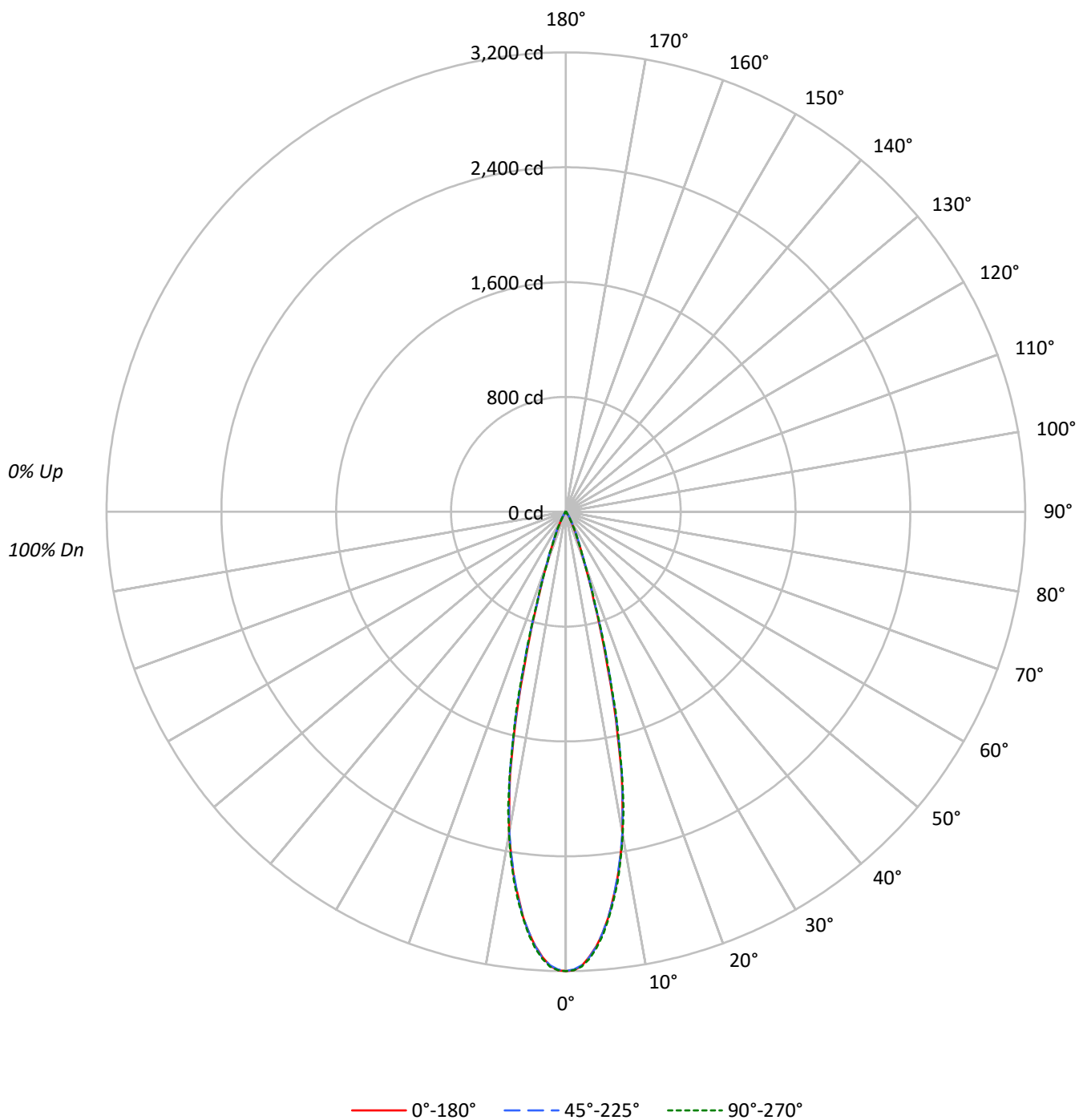
Lumens per Lamp: N/A
Luminaire Lumens: 675.9 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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		91	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°	551095	551095	551095
5°	509029	508856	511709
10°	397623	396557	399250
15°	200033	208395	208216
20°	68453	70341	69205
25°	27497	30936	28675
30°	11156	13324	10858
35°	3259	5845	3259
40°	1506	2540	1506
45°	511	999	511
50°	268	402	268
55°	300	300	300
60°	344	344	344
65°	204	204	204
70°	252	252	252
75°	333	333	333
80°	0	496	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 999 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.6	38.4
10°-20°	317.7	47.0
20°-30°	77.6	11.5
30°-40°	16.0	2.4
40°-50°	2.8	0.4
50°-60°	0.9	0.1
60°-70°	0.7	0.1
70°-80°	0.5	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°	655.0	96.9
0°-40°	671.0	99.3
0°-60°	674.7	99.8
0°-90°	675.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	675.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3200	3200	3200	3200	3200	
5°	2944	2947	2943	2950	2960	259
15°	1122	1141	1169	1174	1168	313
25°	145	151	163	154	151	74
35°	16	22	28	21	16	13
45°	2	3	4	3	2	2
55°	1	1	1	1	1	1
65°	0	1	0	0	0	1
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°	3199.9	3199.9	3199.9	3199.9	3199.9
1°	3193.7	3189.6	3188.6	3189.1	3194.3
2°	3164.9	3162.3	3161.8	3163.3	3170.6
3°	3106.2	3109.3	3110.3	3115.4	3119.0
4°	3034.1	3040.2	3037.7	3043.8	3048.0
5°	2944.4	2947.0	2943.4	2949.6	2959.9
6°	2839.9	2830.6	2839.3	2841.9	2849.1
7°	2709.5	2711.6	2714.7	2717.8	2728.6
8°	2581.3	2575.1	2573.5	2588.0	2596.7
9°	2431.4	2432.4	2426.7	2443.2	2445.8
10°	2273.7	2260.9	2267.6	2280.4	2283.0
11°	2065.6	2062.0	2071.8	2091.9	2107.9
12°	1870.4	1872.5	1882.8	1889.5	1885.9
13°	1612.3	1627.8	1640.7	1647.4	1638.6
14°	1379.0	1379.0	1395.5	1398.0	1429.5
15°	1121.9	1141.0	1168.8	1174.0	1167.8
17.5°	648.0	650.6	664.0	663.5	673.3
20°	373.5	377.1	383.8	382.2	377.6
22.5°	224.6	232.3	248.3	235.4	231.8
25°	144.7	151.4	162.8	153.5	150.9
27.5°	90.7	95.3	104.1	95.8	91.7
30°	56.1	58.7	67.0	59.2	54.6
32.5°	30.4	37.1	43.8	37.1	30.4
35°	15.5	21.6	27.8	21.1	15.5
37.5°	10.3	12.4	18.0	11.8	10.3
40°	6.7	8.2	11.3	8.2	6.7
42.5°	3.6	5.2	6.2	5.7	3.6
45°	2.1	3.1	4.1	3.1	2.1
47.5°	1.5	1.5	2.6	1.5	1.0
50°	1.0	1.0	1.5	1.0	1.0
52.5°	1.0	1.0	1.0	1.0	1.0
55°	1.0	1.0	1.0	1.0	1.0
57.5°	1.0	1.0	1.0	1.0	1.0
60°	1.0	1.0	1.0	1.0	1.0
62.5°	1.0	1.0	1.0	1.0	1.0
65°	0.5	1.0	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5
80°	0.0	0.0	0.5	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)