

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: P1307666

Luminaire Tested: P3SQAS05R259030DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307666
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: P3SQAS05R259030DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

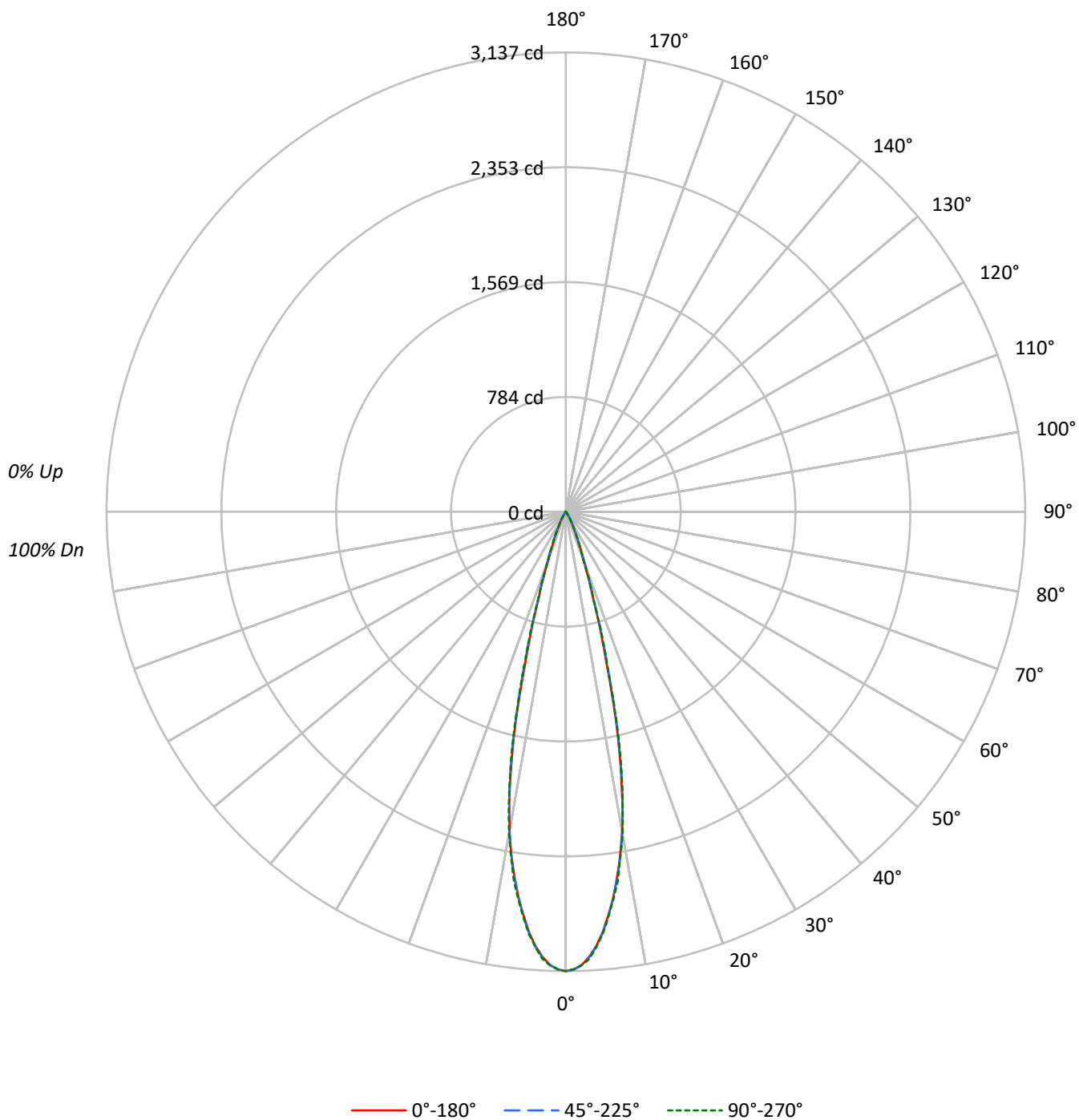
Lumens per Lamp: N/A
Luminaire Lumens: 653.0 lumens
Efficiency: N/A
Efficacy: 90.7 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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	99
1	115	113	111	110	113	111	110	108	107	106	105	103	103	102	100	99	99	97	96	96
2	112	108	105	103	110	107	104	102	104	102	100	101	99	98	98	97	96	94	93	93
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92	91	91
4	105	100	97	94	104	99	96	93	97	95	92	96	93	91	94	92	90	89	88	88
5	103	97	93	90	101	96	93	90	95	92	89	93	91	89	92	90	88	87	86	86
6	100	94	90	87	99	93	90	87	92	89	87	91	88	86	90	87	85	84	83	83
7	97	91	87	85	96	91	87	84	90	86	84	89	86	84	88	85	83	82	81	81
8	95	89	85	82	94	88	85	82	87	84	82	87	84	82	86	83	81	80	79	79
9	93	86	83	80	92	86	82	80	85	82	80	85	82	80	84	81	79	78	77	77
10	91	84	81	78	90	84	80	78	83	80	78	83	80	78	82	79	77	76	75	75

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	540280	540280	540280
5°	498172	499296	500333
10°	386798	388197	390313
15°	191153	199195	199284
20°	64366	68673	65649
25°	26661	29606	27421
30°	10460	13145	10560
35°	2733	5361	2838
40°	1012	2136	1012
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°	254.2	38.9
10°-20°	307.5	47.1
20°-30°	75.1	11.5
30°-40°	14.6	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°	636.7	97.5
0°-40°	651.3	99.7
0°-60°	653.0	100.0
0°-90°	653.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	653.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3137	3137	3137	3137	3137	
5°	2882	2886	2888	2901	2894	253
15°	1072	1098	1117	1128	1118	302
25°	140	148	156	149	144	71
35°	13	18	26	18	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°	3137.1	3137.1	3137.1	3137.1	3137.1
1°	3125.1	3127.1	3127.6	3130.6	3124.6
2°	3096.5	3097.0	3098.5	3104.6	3099.0
3°	3043.9	3047.4	3047.9	3056.0	3057.5
4°	2972.3	2974.3	2978.3	2991.8	2979.8
5°	2881.6	2885.6	2888.1	2900.7	2894.1
6°	2769.4	2770.4	2775.9	2790.4	2781.4
7°	2655.2	2654.7	2655.2	2666.7	2664.2
8°	2517.4	2514.9	2522.9	2536.9	2546.5
9°	2373.6	2377.1	2382.1	2395.7	2384.7
10°	2211.8	2221.3	2219.8	2220.8	2231.9
11°	2025.5	2028.5	2029.0	2039.5	2038.0
12°	1806.5	1806.5	1823.1	1840.1	1834.6
13°	1585.6	1601.1	1590.1	1593.6	1615.7
14°	1328.1	1340.1	1355.1	1369.2	1358.1
15°	1072.1	1097.6	1117.2	1128.2	1117.7
17.5°	614.2	622.7	639.2	641.3	634.7
20°	351.2	361.7	374.7	370.7	358.2
22.5°	220.9	223.9	237.0	230.4	227.4
25°	140.3	147.8	155.8	149.3	144.3
27.5°	87.2	92.2	100.7	93.7	88.2
30°	52.6	57.1	66.1	56.6	53.1
32.5°	27.6	34.1	41.6	34.6	27.6
35°	13.0	18.5	25.5	18.5	13.5
37.5°	8.0	10.0	15.5	10.0	8.0
40°	4.5	6.5	9.5	6.5	4.5
42.5°	2.0	3.5	4.5	3.5	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)