

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: P1306548

Luminaire Tested: P3SQAS05R259027DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306548
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: P3SQAS05R259027DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

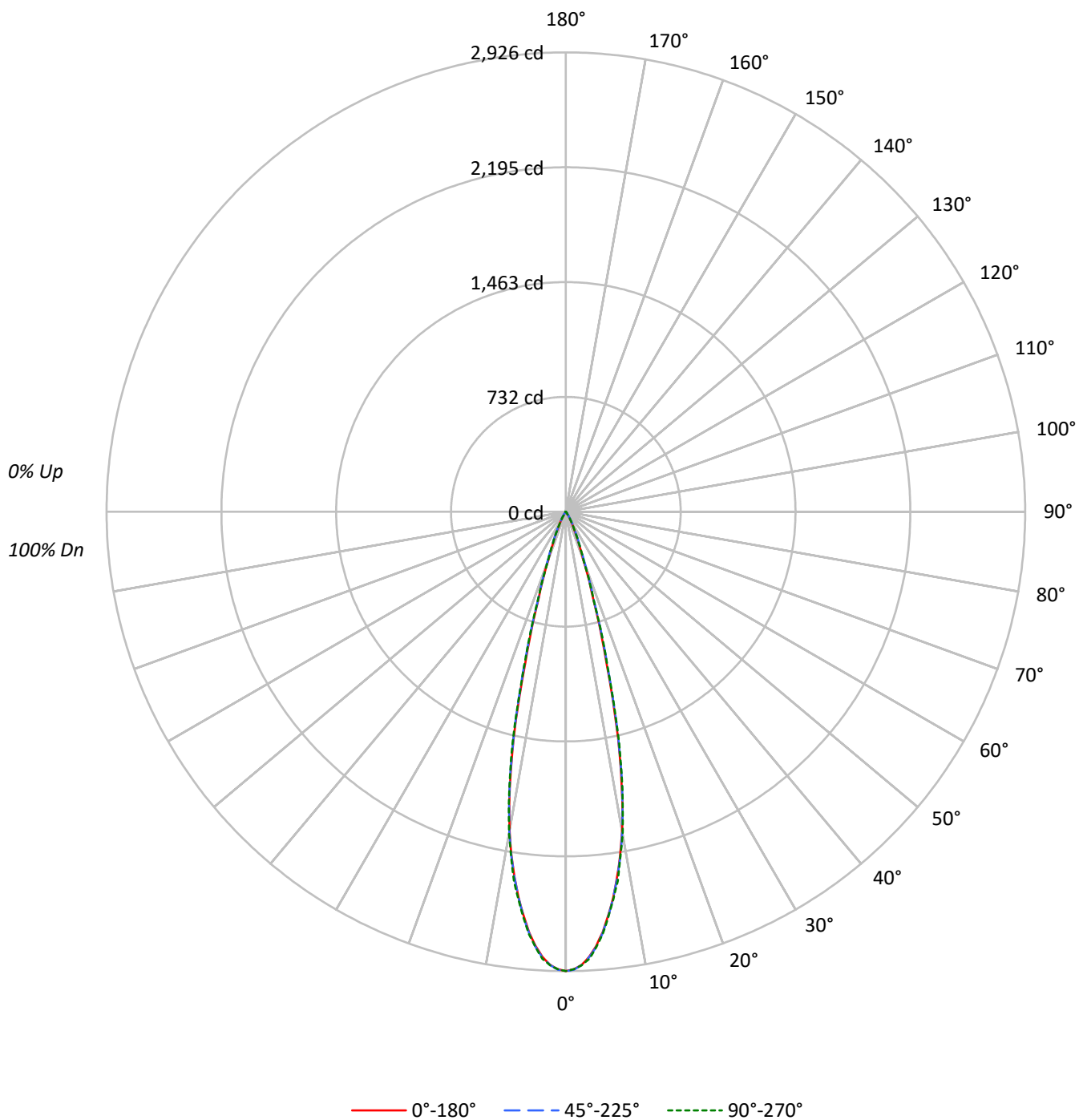
Lumens per Lamp: N/A
Luminaire Lumens: 609.0 lumens
Efficiency: N/A
Efficacy: 84.6 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	503872	503872	503872
5°	464616	465654	466622
10°	360741	362053	364012
15°	178280	185769	185858
20°	60023	64055	61232
25°	24855	27611	25578
30°	9764	12270	9844
35°	2544	5004	2649
40°	944	2001	944
45°	122	560	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: 560 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.1	38.9
10°-20°	286.8	47.1
20°-30°	70.0	11.5
30°-40°	13.6	2.2
40°-50°	1.5	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°	593.8	97.5
0°-40°	607.4	99.7
0°-60°	609.0	100.0
0°-90°	609.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	609.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2926	2926	2926	2926	2926	
5°	2688	2691	2694	2705	2699	236
15°	1000	1024	1042	1052	1042	282
25°	131	138	145	139	135	67
35°	12	17	24	17	13	11
45°	0	1	2	1	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°	2925.7	2925.7	2925.7	2925.7	2925.7
1°	2914.5	2916.4	2916.9	2919.7	2914.1
2°	2887.9	2888.4	2889.8	2895.4	2890.2
3°	2838.8	2842.1	2842.6	2850.0	2851.4
4°	2772.0	2773.9	2777.6	2790.2	2779.0
5°	2687.5	2691.2	2693.5	2705.2	2699.1
6°	2582.8	2583.7	2588.9	2602.4	2594.0
7°	2476.3	2475.8	2476.3	2487.0	2484.7
8°	2347.8	2345.4	2352.9	2366.0	2374.9
9°	2213.7	2217.0	2221.6	2234.2	2224.0
10°	2062.8	2071.7	2070.3	2071.2	2081.5
11°	1889.0	1891.8	1892.2	1902.1	1900.7
12°	1684.8	1684.8	1700.2	1716.1	1711.0
13°	1478.8	1493.2	1483.0	1486.2	1506.8
14°	1238.6	1249.8	1263.8	1276.9	1266.6
15°	999.9	1023.7	1041.9	1052.2	1042.4
17.5°	572.8	580.8	596.2	598.0	592.0
20°	327.5	337.3	349.5	345.7	334.1
22.5°	206.0	208.8	221.0	214.9	212.1
25°	130.8	137.8	145.3	139.2	134.6
27.5°	81.3	86.0	93.9	87.4	82.2
30°	49.1	53.3	61.7	52.8	49.5
32.5°	25.7	31.8	38.8	32.2	25.7
35°	12.1	17.3	23.8	17.3	12.6
37.5°	7.5	9.3	14.5	9.3	7.5
40°	4.2	6.1	8.9	6.1	4.2
42.5°	1.9	3.3	4.2	3.3	2.3
45°	0.5	1.4	2.3	1.4	0.5
47.5°	0.0	0.0	1.4	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)