

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: P1305578

Luminaire Tested: P3SQASS05R259024DE010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

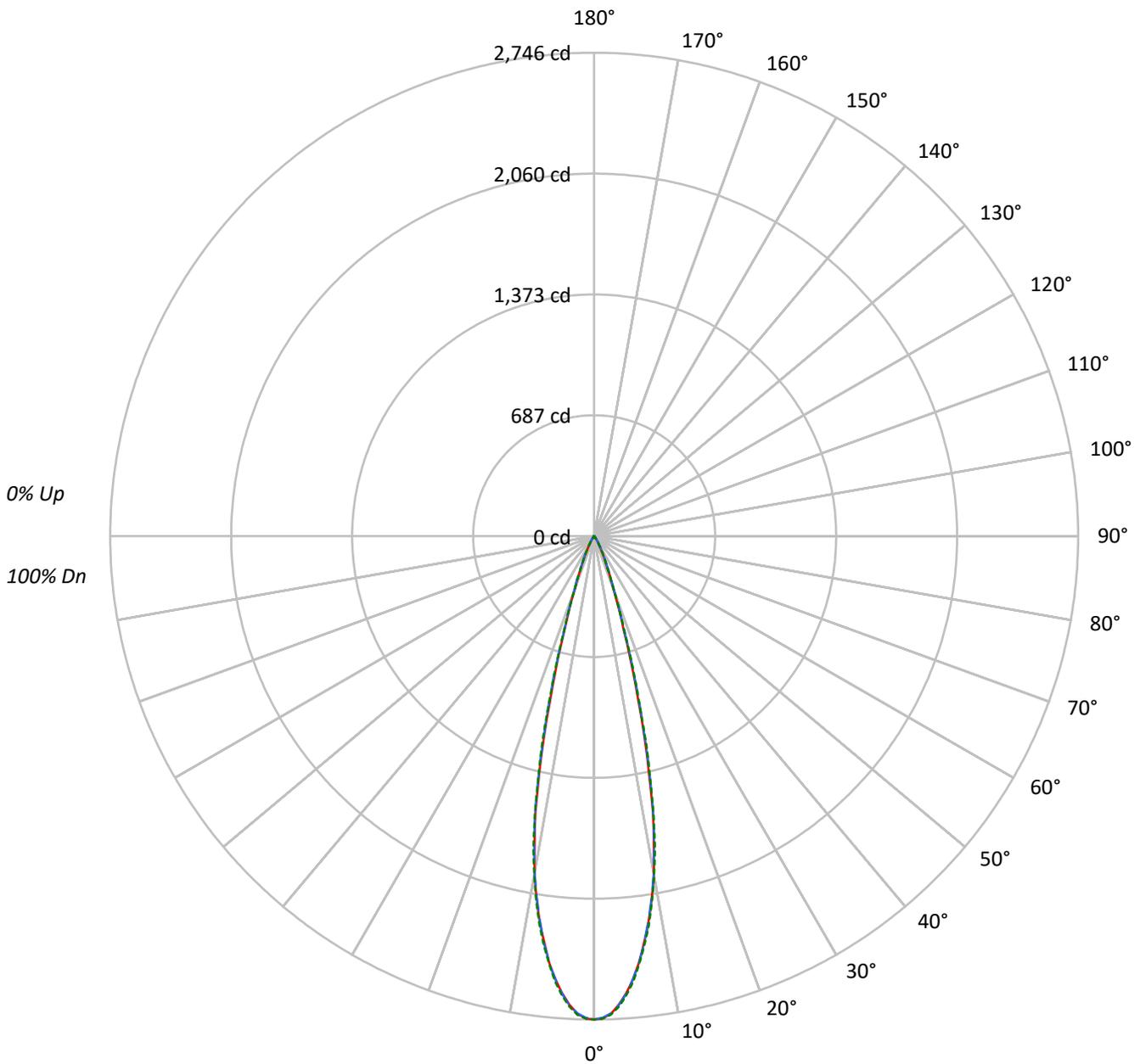
Test Method: LM-79-2019  
Report Number: P1305578  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-35)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQASS05R259024DE010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 2400K CCT AND, 90CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 580.0 lumens  
Efficiency: N/A  
Efficacy: 80.6 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 (A<sub>in</sub>): 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



— 0°-180°    - - 45°-225°    - - - 90°-270°



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	115	113	111	110	113	111	109	108	107	106	105	103	102	102	100	99	99	97	97	97	97
2	112	108	105	103	110	107	104	102	103	101	100	101	99	97	98	97	95	94	94	94	94
3	108	104	100	98	107	103	99	97	100	98	95	98	96	94	96	94	93	91	91	91	91
4	105	100	96	93	104	99	96	93	97	94	92	95	93	91	94	92	90	89	89	89	89
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	91	89	87	86	86	86	86
6	100	94	90	87	98	93	89	87	92	88	86	90	88	86	89	87	85	84	84	84	84
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	82	82	82	82
8	95	88	84	82	94	88	84	82	87	84	81	86	83	81	85	83	81	80	80	80	80
9	92	86	82	80	91	86	82	79	85	82	79	84	81	79	83	81	79	78	78	78	78
10	90	84	80	78	89	84	80	77	83	80	77	82	79	77	82	79	77	76	76	76	76

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	472837	472837	472837
5°	436748	436592	439030
10°	341155	340228	342554
15°	171630	178797	178637
20°	58721	60353	59381
25°	23601	26547	24608
30°	9585	11435	9307
35°	2796	5025	2796
40°	1281	2181	1281
45°	438	852	438
50°	241	348	241
55°	270	270	270
60°	310	310	310
65°	163	163	163
70°	201	201	201
75°	266	266	266
80°	0	397	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 852 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	222.7	38.4
10°-20°	272.6	47.0
20°-30°	66.6	11.5
30°-40°	13.8	2.4
40°-50°	2.4	0.4
50°-60°	0.8	0.1
60°-70°	0.6	0.1
70°-80°	0.4	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°	562.0	96.9
0°-40°	575.7	99.3
0°-60°	579.0	99.8
0°-90°	580.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	580.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2746	2746	2746	2746	2746	
5°	2526	2528	2525	2531	2540	223
15°	963	979	1003	1007	1002	269
25°	124	130	140	132	130	64
35°	13	19	24	18	13	11
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	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2745.5	2745.5	2745.5	2745.5	2745.5
1°	2740.2	2736.7	2735.8	2736.2	2740.6
2°	2715.4	2713.2	2712.8	2714.1	2720.3
3°	2665.1	2667.7	2668.6	2673.0	2676.1
4°	2603.2	2608.5	2606.3	2611.6	2615.1
5°	2526.3	2528.5	2525.4	2530.7	2539.5
6°	2436.6	2428.6	2436.1	2438.3	2444.5
7°	2324.7	2326.5	2329.2	2331.8	2341.1
8°	2214.7	2209.4	2208.1	2220.4	2228.0
9°	2086.1	2087.0	2082.1	2096.2	2098.5
10°	1950.8	1939.8	1945.5	1956.6	1958.8
11°	1772.3	1769.2	1777.6	1794.8	1808.5
12°	1604.8	1606.5	1615.4	1621.1	1618.0
13°	1383.4	1396.6	1407.7	1413.4	1405.9
14°	1183.1	1183.1	1197.3	1199.5	1226.5
15°	962.6	979.0	1002.8	1007.2	1001.9
17.5°	556.0	558.2	569.7	569.3	577.6
20°	320.4	323.5	329.3	327.9	324.0
22.5°	192.7	199.3	213.0	202.0	198.9
25°	124.2	129.9	139.7	131.7	129.5
27.5°	77.8	81.8	89.3	82.2	78.7
30°	48.2	50.4	57.5	50.8	46.8
32.5°	26.1	31.8	37.6	31.8	26.1
35°	13.3	18.6	23.9	18.1	13.3
37.5°	8.8	10.6	15.5	10.2	8.8
40°	5.7	7.1	9.7	7.1	5.7
42.5°	3.1	4.4	5.3	4.9	3.1
45°	1.8	2.7	3.5	2.7	1.8
47.5°	1.3	1.3	2.2	1.3	0.9
50°	0.9	0.9	1.3	0.9	0.9
52.5°	0.9	0.9	0.9	0.9	0.9
55°	0.9	0.9	0.9	0.9	0.9
57.5°	0.9	0.9	0.9	0.9	0.9
60°	0.9	0.9	0.9	0.9	0.9
62.5°	0.9	0.9	0.9	0.9	0.9
65°	0.4	0.9	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4
77.5°	0.4	0.4	0.4	0.4	0.4
80°	0.0	0.0	0.4	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)