

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: P1314060

Luminaire Tested: P3SQAS05R309735DE010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

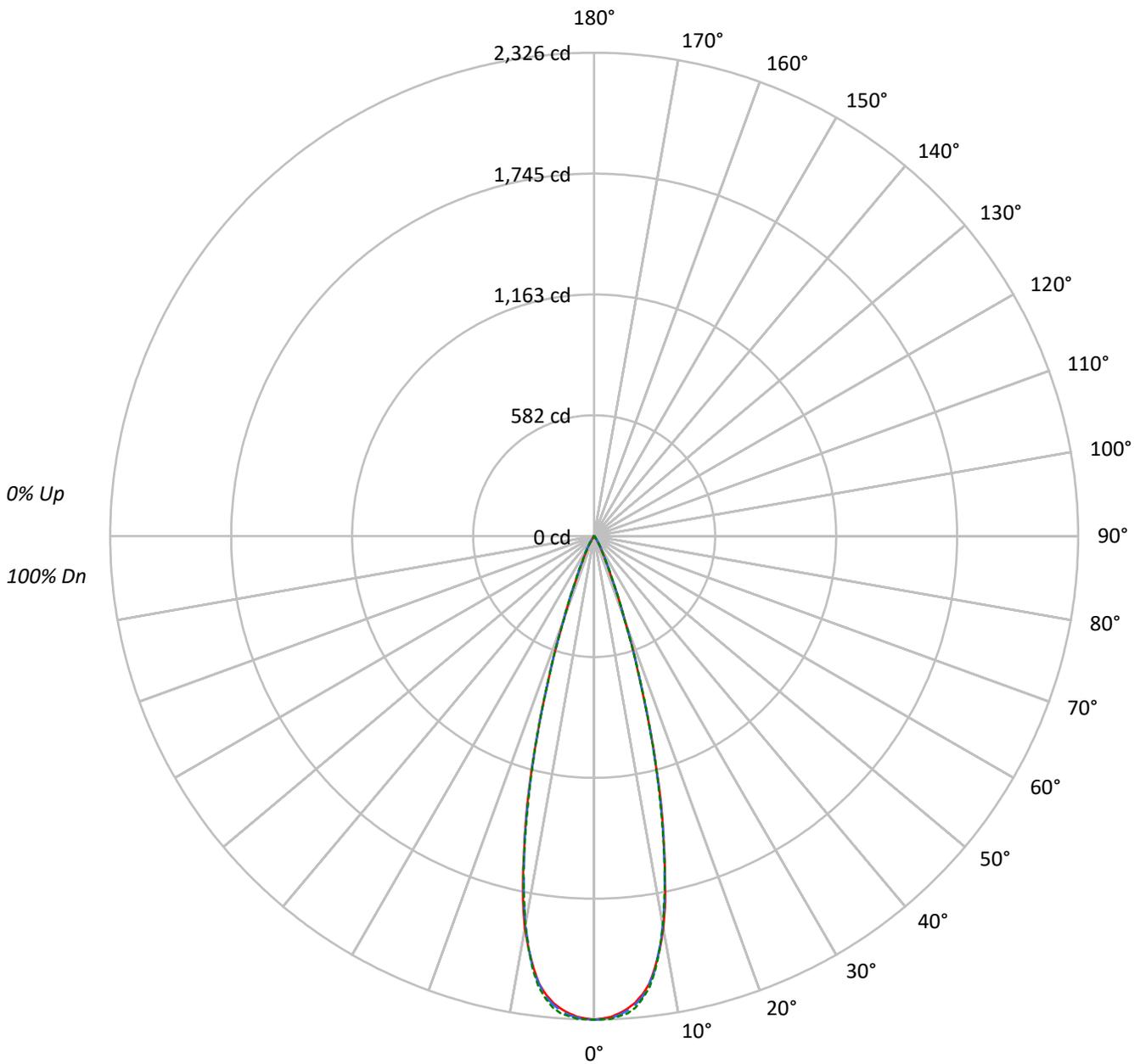
Test Method: LM-79-2019  
Report Number: P1314060  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS05R309735DE010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 605.0 lumens  
Efficiency: N/A  
Efficacy: 84.0 lumens/watt  
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46  
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	102	102	102	100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	98	98	98	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	98	96	95	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	95	93	92	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	93	91	89	88
5	102	96	92	89	100	95	91	89	93	90	88	92	89	87	91	88	86	91	88	86	85
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	88	86	84	83
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	86	84	82	81
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	84	81	79	78
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	82	79	77	76
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	80	77	75	74

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

	0°	45°	90°
0°	400624	400624	400624
5°	389655	391350	393770
10°	335069	332201	332533
15°	205881	204223	204383
20°	78350	78534	77067
25°	24931	26262	25008
30°	10023	12429	10301
35°	3238	5487	3238
40°	1461	2406	1461
45°	560	1023	560
50°	241	509	241
55°	270	270	270
60°	310	310	310
65°	204	204	204
70°	252	252	252
75°	333	333	333
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1023 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	205.2	33.9
10°-20°	304.4	50.3
20°-30°	75.6	12.5
30°-40°	15.1	2.5
40°-50°	2.7	0.5
50°-60°	0.8	0.1
60°-70°	0.6	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°	585.2	96.7
0°-40°	600.3	99.2
0°-60°	603.9	99.8
0°-90°	605.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	605.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2326	2326	2326	2326	2326	
5°	2254	2261	2264	2267	2278	205
15°	1155	1157	1145	1149	1146	306
25°	131	134	138	136	132	74
35°	15	20	26	20	15	12
45°	2	3	4	3	2	2
55°	1	1	1	1	1	1
65°	0	0	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°	2326.2	2326.2	2326.2	2326.2	2326.2
1°	2321.1	2323.9	2325.7	2325.7	2325.7
2°	2314.5	2316.4	2319.2	2319.7	2323.4
3°	2299.1	2303.3	2308.0	2310.8	2312.7
4°	2280.5	2286.1	2288.9	2295.9	2301.9
5°	2253.9	2261.3	2263.7	2266.9	2277.7
6°	2217.9	2223.5	2228.2	2229.6	2236.1
7°	2170.3	2173.1	2172.2	2174.5	2186.2
8°	2098.0	2098.9	2106.9	2101.7	2109.7
9°	2012.1	2008.4	2006.5	2010.2	2010.7
10°	1916.0	1903.4	1899.6	1896.4	1901.5
11°	1791.3	1775.0	1776.4	1775.5	1768.0
12°	1636.4	1634.5	1622.4	1624.7	1635.9
13°	1478.2	1481.4	1479.1	1481.9	1469.3
14°	1329.7	1313.9	1318.1	1302.2	1308.3
15°	1154.7	1157.0	1145.4	1149.1	1146.3
17.5°	739.3	744.4	740.7	737.4	742.6
20°	427.5	427.1	428.5	424.3	420.5
22.5°	225.0	228.2	232.4	232.9	235.7
25°	131.2	134.0	138.2	136.3	131.6
27.5°	80.3	85.4	91.9	87.3	81.7
30°	50.4	54.6	62.5	55.1	51.8
32.5°	28.5	34.5	41.1	34.5	28.5
35°	15.4	20.1	26.1	19.6	15.4
37.5°	10.3	11.7	17.3	11.7	10.3
40°	6.5	7.9	10.7	7.9	6.5
42.5°	3.7	5.1	6.1	5.1	3.7
45°	2.3	2.8	4.2	3.3	2.3
47.5°	0.9	1.4	2.8	1.4	1.4
50°	0.9	0.9	1.9	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°	0.5	0.5	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	0.0	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)