

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: P1307517

Luminaire Tested: P3SQAS02R309030DE010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307517  
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: P3SQAS02R309030DE010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

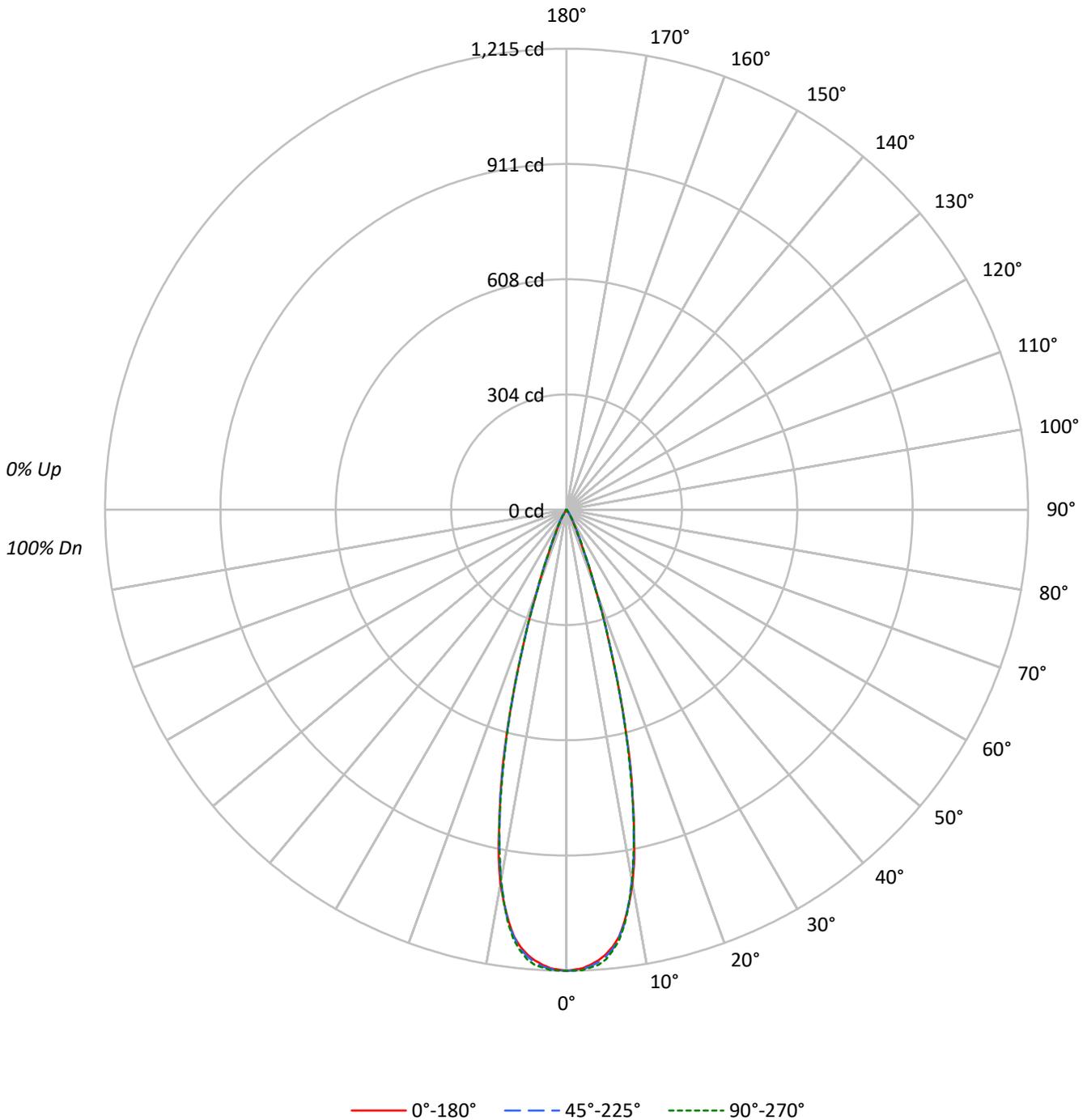
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 316.0 lumens  
Efficiency: N/A  
Efficacy: 87.8 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): 3.6  
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





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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	95	95	95	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	94	92	92	92	92	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	89	89	89	88
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	86	86	86	85
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	84	84	84	83
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	82	82	82	81
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	79	79	79	78
9	91	85	81	78	90	84	80	78	84	80	78	83	80	77	82	79	77	77	77	77	76
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	75	75	75	74

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

	0°	45°	90°
0°	209251	209251	209251
5°	203515	204397	205676
10°	175002	173515	173690
15°	107532	106658	106747
20°	40925	41017	40247
25°	13017	13720	13055
30°	5230	6503	5389
35°	1682	2880	1682
40°	764	1259	764
45°	292	536	292
50°	134	268	134
55°	150	150	150
60°	172	172	172
65°	82	82	82
70°	101	101	101
75°	133	133	133
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 536 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	107.2	33.9
10°-20°	159.0	50.3
20°-30°	39.5	12.5
30°-40°	7.9	2.5
40°-50°	1.4	0.5
50°-60°	0.5	0.1
60°-70°	0.3	0.1
70°-80°	0.2	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°	305.7	96.7
0°-40°	313.6	99.2
0°-60°	315.5	99.8
0°-90°	316.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	316.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1215	1215	1215	1215	1215	
5°	1177	1181	1182	1184	1190	107
15°	603	604	598	600	599	160
25°	68	70	72	71	69	38
35°	8	10	14	10	8	7
45°	1	2	2	2	1	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	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1215.0	1215.0	1215.0	1215.0	1215.0
1°	1212.3	1213.8	1214.8	1214.8	1214.8
2°	1208.9	1209.9	1211.4	1211.6	1213.6
3°	1200.9	1203.1	1205.5	1207.0	1207.9
4°	1191.1	1194.1	1195.5	1199.2	1202.3
5°	1177.2	1181.1	1182.3	1184.1	1189.7
6°	1158.5	1161.4	1163.8	1164.6	1168.0
7°	1133.6	1135.1	1134.6	1135.8	1141.9
8°	1095.8	1096.3	1100.4	1097.8	1101.9
9°	1050.9	1049.0	1048.0	1050.0	1050.2
10°	1000.7	994.1	992.2	990.5	993.2
11°	935.6	927.1	927.8	927.4	923.5
12°	854.7	853.7	847.4	848.6	854.5
13°	772.1	773.8	772.5	774.0	767.4
14°	694.5	686.2	688.4	680.2	683.3
15°	603.1	604.3	598.2	600.2	598.7
17.5°	386.2	388.8	386.9	385.2	387.9
20°	223.3	223.1	223.8	221.6	219.6
22.5°	117.5	119.2	121.4	121.6	123.1
25°	68.5	70.0	72.2	71.2	68.7
27.5°	41.9	44.6	48.0	45.6	42.7
30°	26.3	28.5	32.7	28.8	27.1
32.5°	14.9	18.0	21.5	18.0	14.9
35°	8.0	10.5	13.7	10.2	8.0
37.5°	5.4	6.1	9.0	6.1	5.4
40°	3.4	4.1	5.6	4.1	3.4
42.5°	2.0	2.7	3.2	2.7	2.0
45°	1.2	1.5	2.2	1.7	1.2
47.5°	0.5	0.7	1.5	0.7	0.7
50°	0.5	0.5	1.0	0.5	0.5
52.5°	0.5	0.5	0.5	0.5	0.5
55°	0.5	0.5	0.5	0.5	0.5
57.5°	0.5	0.5	0.5	0.5	0.5
60°	0.5	0.5	0.5	0.5	0.5
62.5°	0.5	0.5	0.5	0.5	0.5
65°	0.2	0.2	0.2	0.2	0.2
67.5°	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2
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)