

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: P1307737

Luminaire Tested: P3SQAS05R509030DE010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

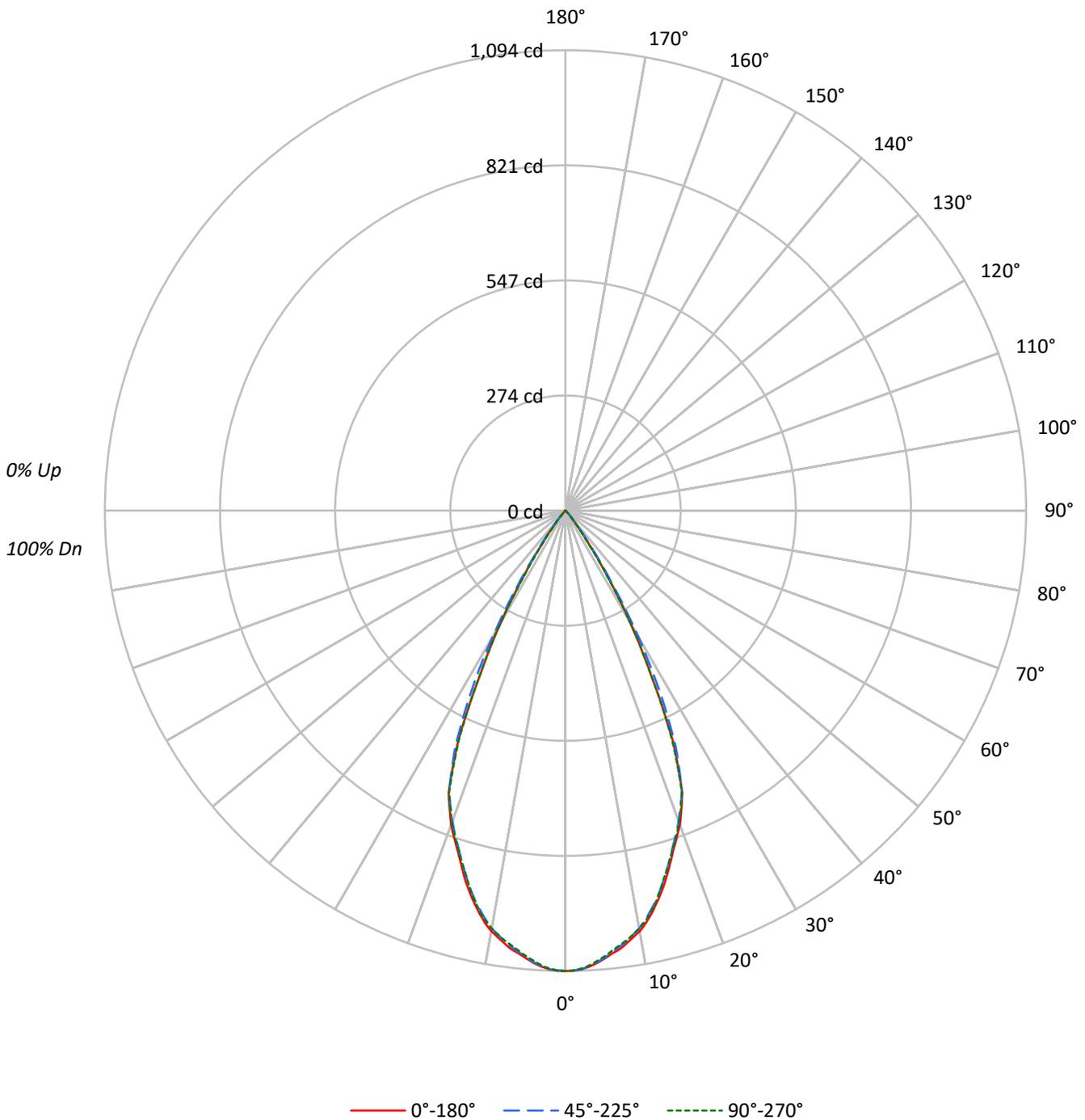
Test Method: LM-79-2019  
Report Number: P1307737  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS05R509030DE010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 90CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 705.0 lumens  
Efficiency: N/A  
Efficacy: 97.9 lumens/watt  
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78  
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





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

RF	20				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	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	81	81	81	80
5	96	88	83	79	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	60	59

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

	0°	45°	90°
0°	188412	188412	188412
5°	184706	184360	183841
10°	177485	176261	176348
15°	162929	161413	161235
20°	145557	144000	144733
25°	114396	117722	113446
30°	61211	68569	61410
35°	19994	23358	18838
40°	4946	6183	4721
45°	609	2192	609
50°	402	670	402
55°	450	450	450
60°	344	344	344
65°	408	408	408
70°	252	252	252
75°	333	333	333
80°	496	496	496
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2192 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	100.0	14.2
10°-20°	253.0	35.9
20°-30°	266.1	37.7
30°-40°	76.7	10.9
40°-50°	6.2	0.9
50°-60°	1.3	0.2
60°-70°	1.0	0.1
70°-80°	0.5	0.1
80°-90°	0.1	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°	619.1	87.8
0°-40°	695.8	98.7
0°-60°	703.4	99.8
0°-90°	705.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	705.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1094	1094	1094	1094	1094	
5°	1068	1068	1066	1067	1063	100
15°	914	908	905	905	904	254
25°	602	617	620	612	597	261
35°	95	99	111	95	90	73
45°	2	5	9	5	2	5
55°	2	2	2	2	2	1
65°	1	1	1	1	1	1
75°	0	0	0	0	0	1
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°	1094.0	1094.0	1094.0	1094.0	1094.0
1°	1093.5	1094.5	1092.5	1096.0	1093.0
2°	1091.0	1091.5	1090.5	1093.0	1089.0
3°	1085.0	1086.0	1084.0	1086.0	1082.5
4°	1078.0	1078.0	1076.0	1077.5	1072.9
5°	1068.4	1067.9	1066.4	1067.4	1063.4
6°	1058.4	1057.9	1055.4	1055.4	1052.4
7°	1050.9	1047.4	1045.4	1044.9	1041.9
8°	1038.9	1037.9	1033.9	1033.9	1031.9
9°	1026.9	1025.9	1021.4	1022.4	1020.9
10°	1014.9	1011.4	1007.9	1008.4	1008.4
11°	998.9	995.9	990.9	992.9	993.9
12°	979.9	976.4	971.9	975.9	975.4
13°	958.8	955.8	952.3	955.3	954.3
14°	936.8	932.3	929.3	931.3	930.3
15°	913.8	907.8	905.3	905.3	904.3
17.5°	849.3	845.7	843.2	841.7	845.2
20°	794.2	791.2	785.7	787.2	789.7
22.5°	725.1	724.6	721.6	719.1	722.1
25°	602.0	617.0	619.5	612.5	597.0
27.5°	437.4	472.4	484.9	468.4	439.9
30°	307.8	324.3	344.8	312.3	308.8
32.5°	185.7	190.2	209.2	186.7	181.7
35°	95.1	98.6	111.1	95.1	89.6
37.5°	44.5	46.5	51.5	44.5	41.5
40°	22.0	24.5	27.5	23.0	21.0
42.5°	9.5	12.5	16.0	12.0	8.5
45°	2.5	5.0	9.0	5.0	2.5
47.5°	1.5	2.0	5.0	2.0	1.5
50°	1.5	1.5	2.5	1.5	1.5
52.5°	1.5	1.5	1.5	1.5	1.5
55°	1.5	1.5	1.5	1.5	1.5
57.5°	1.5	1.5	1.5	1.5	1.5
60°	1.0	1.5	1.0	1.5	1.0
62.5°	1.0	1.0	1.0	1.0	1.0
65°	1.0	1.0	1.0	1.0	1.0
67.5°	1.0	1.0	1.0	1.0	1.0
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°	0.5	0.5	0.5	0.5	0.5
82.5°	0.0	0.5	0.0	0.5	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)