

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: P1306610

Luminaire Tested: P3SQAS05R459027DE010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1306610  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS05R459027DE010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 90CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

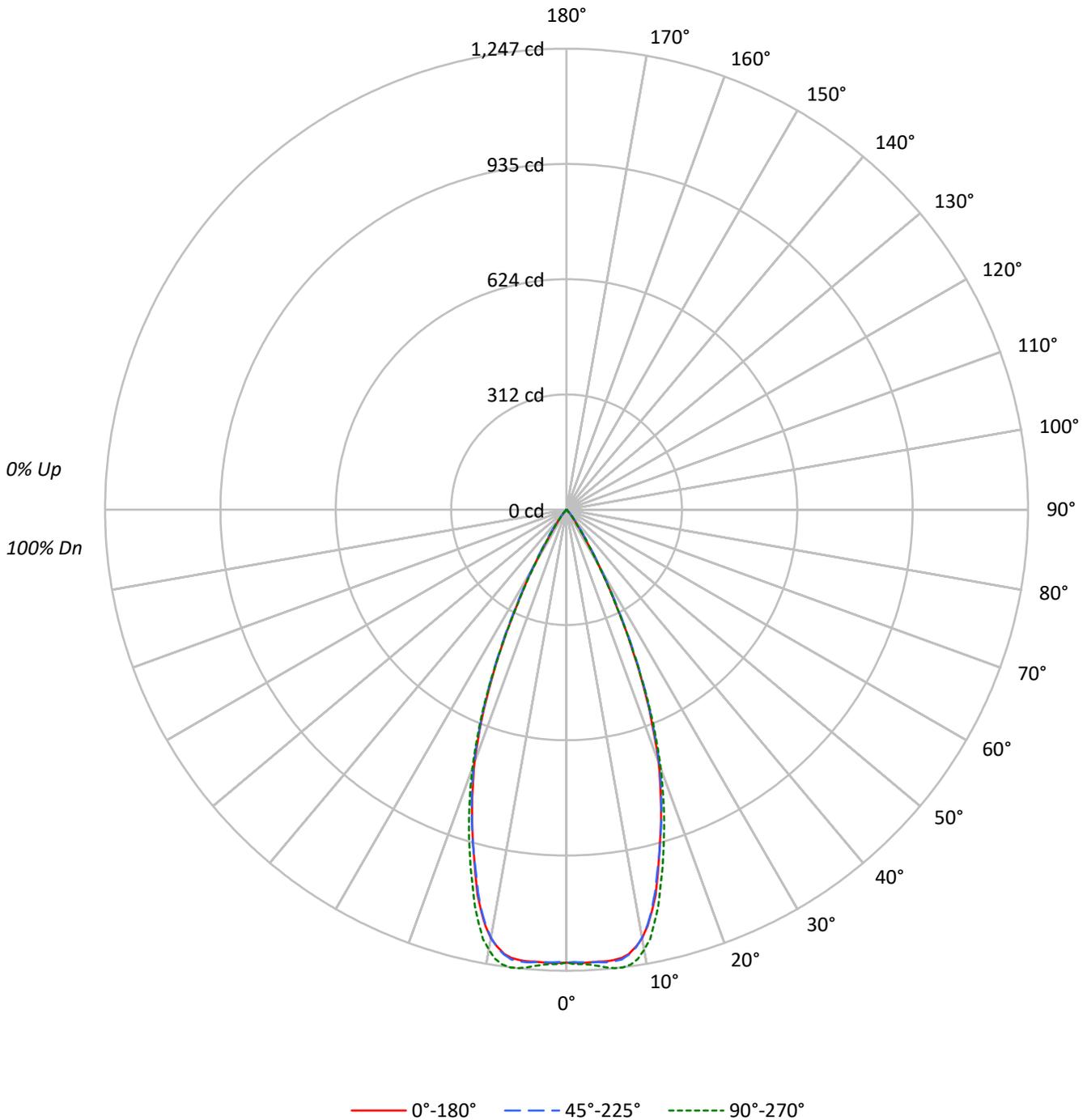
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 634.0 lumens  
Efficiency: N/A  
Efficacy: 88.1 lumens/watt  
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67  
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				
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	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	84	84	84	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	80	80	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	76	76	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	73	73	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	70	70	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	67	67	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	64	64	64	63

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

	0°	45°	90°
0°	210973	210973	210973
5°	212021	212418	214839
10°	205728	205553	211272
15°	172414	172325	178655
20°	133278	134653	136540
25°	81711	83403	81882
30°	35040	36611	33926
35°	10996	13266	10701
40°	3777	4834	3687
45°	682	2046	560
50°	375	750	375
55°	420	420	420
60°	310	310	310
65°	367	367	367
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: 2046 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	116.4	18.4
10°-20°	269.0	42.4
20°-30°	197.0	31.1
30°-40°	43.5	6.9
40°-50°	5.3	0.8
50°-60°	1.2	0.2
60°-70°	0.9	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°	582.4	91.9
0°-40°	625.9	98.7
0°-60°	632.5	99.8
0°-90°	634.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	634.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1225	1225	1225	1225	1225	
5°	1226	1225	1229	1238	1243	116
15°	967	962	966	990	1002	267
25°	430	430	439	436	431	195
35°	52	55	63	55	51	41
45°	3	5	8	5	2	4
55°	1	1	1	1	1	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°	1225.0	1225.0	1225.0	1225.0	1225.0
1°	1225.9	1224.0	1223.6	1226.8	1229.2
2°	1226.8	1224.5	1225.0	1228.2	1229.6
3°	1225.9	1223.6	1225.9	1230.6	1232.5
4°	1225.4	1224.5	1226.8	1233.4	1236.7
5°	1226.4	1225.4	1228.7	1237.6	1242.7
6°	1225.0	1223.6	1228.2	1239.5	1246.9
7°	1221.7	1220.3	1225.4	1239.0	1247.4
8°	1212.8	1210.0	1215.2	1232.0	1242.3
9°	1196.9	1193.2	1198.3	1218.0	1230.1
10°	1176.4	1172.2	1175.4	1194.6	1208.1
11°	1146.9	1141.3	1145.1	1165.6	1183.4
12°	1109.5	1101.6	1106.3	1129.6	1142.3
13°	1068.9	1061.4	1062.3	1083.4	1101.1
14°	1018.4	1008.6	1012.8	1034.8	1048.8
15°	967.0	961.8	966.5	989.9	1002.0
17.5°	849.2	848.7	852.9	870.2	876.8
20°	727.2	728.6	734.7	744.1	745.0
22.5°	582.8	583.3	589.8	596.4	595.0
25°	430.0	429.5	438.9	435.6	430.9
27.5°	285.1	287.0	295.4	289.3	284.6
30°	176.2	179.9	184.1	176.7	170.6
32.5°	95.3	101.4	107.5	101.0	94.9
35°	52.3	55.1	63.1	55.1	50.9
37.5°	30.4	31.8	36.9	31.8	29.0
40°	16.8	19.2	21.5	19.2	16.4
42.5°	7.0	10.7	13.1	10.7	7.0
45°	2.8	4.7	8.4	4.7	2.3
47.5°	1.4	1.9	5.1	1.9	1.4
50°	1.4	1.4	2.8	1.4	1.4
52.5°	1.4	1.4	1.4	1.4	1.4
55°	1.4	1.4	1.4	1.4	1.4
57.5°	1.4	1.4	1.4	1.4	1.4
60°	0.9	0.9	0.9	1.4	0.9
62.5°	0.9	0.9	0.9	0.9	0.9
65°	0.9	0.9	0.9	0.9	0.9
67.5°	0.9	0.9	0.9	0.9	0.9
70°	0.5	0.5	0.5	0.9	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	0.0	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)