

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: P1316834

Luminaire Tested: P3SQAS05R309830DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316834
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R309830DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

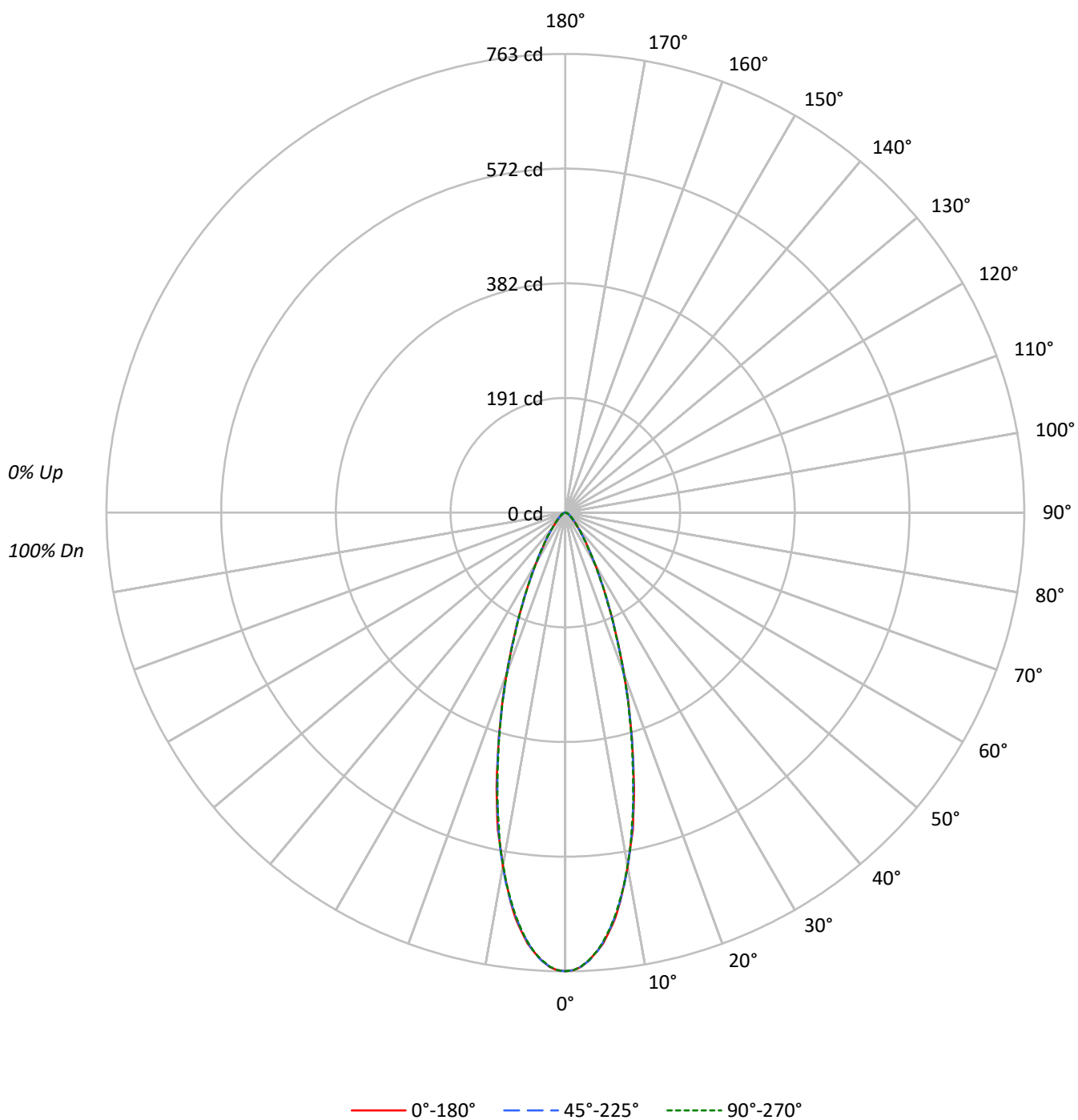
Lumens per Lamp: N/A
Luminaire Lumens: 335.0 lumens
Efficiency: N/A
Efficacy: 46.5 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
Input Voltage (V): NR
Input Current (Ain): 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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	109	106	111	109	107	105	105	103	101		101	100	98		98
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89
4	99	92	87	83	97	91	86	82	89	84	81		87	83	80		85
5	95	87	81	77	93	86	81	77	84	80	76		82	79	76		81
6	90	82	77	73	89	82	76	73	80	76	72		79	75	72		77
7	87	78	73	69	86	78	72	69	76	72	68		75	71	68		74
8	83	75	69	66	82	74	69	65	73	68	65		72	68	65		71
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68
10	77	68	63	60	76	68	63	60	67	63	59		66	62	59		66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	131371	131371	131371
5°	124370	124059	123990
10°	104490	104490	104106
15°	77845	77649	77185
20°	52105	51830	51904
25°	32115	32038	32191
30°	19310	19310	19389
35°	11837	11837	11921
40°	7509	7509	7666
45°	5139	5237	5237
50°	3778	3778	3778
55°	2883	3003	3003
60°	2411	2411	2549
65°	2119	2119	2119
70°	1863	2065	2065
75°	1730	1730	1730
80°	1488	1488	1488
85°	790	790	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 5237 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.7	19.3
10°-20°	119.4	35.6
20°-30°	79.4	23.7
30°-40°	36.7	11.0
40°-50°	17.0	5.1
50°-60°	9.1	2.7
60°-70°	5.3	1.6
70°-80°	2.8	0.8
80°-90°	0.6	0.2
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°	263.4	78.6
0°-40°	300.1	89.6
0°-60°	326.3	97.4
0°-90°	335.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	335.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	763	763	763	763	763	
5°	719	718	718	719	717	65
15°	437	438	436	436	433	120
25°	169	169	169	169	169	79
35°	56	56	56	57	57	36
45°	21	21	22	22	22	17
55°	10	10	10	10	10	9
65°	5	5	5	5	5	5
75°	3	3	3	3	3	3
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	762.8	762.8	762.8	762.8	762.8
1°	761.3	760.6	761.3	762.4	760.9
2°	756.1	755.4	755.4	756.9	755.4
3°	746.1	746.9	746.5	748.0	745.4
4°	733.5	733.1	734.6	735.4	733.1
5°	719.4	717.9	717.6	719.4	717.2
6°	700.2	699.0	698.3	700.5	697.6
7°	679.4	678.7	677.5	678.3	676.1
8°	653.8	653.5	652.7	653.5	650.9
9°	625.3	625.3	626.8	626.4	624.9
10°	597.5	598.2	597.5	598.2	595.3
11°	566.4	566.4	567.1	566.7	567.1
12°	539.3	536.3	535.6	534.8	532.6
13°	504.5	502.2	501.5	502.2	501.1
14°	472.6	471.1	467.4	468.1	466.6
15°	436.6	438.1	435.5	435.5	432.9
17.5°	356.9	355.5	356.2	356.6	355.5
20°	284.3	283.5	282.8	282.1	283.2
22.5°	220.9	221.3	220.5	219.8	219.1
25°	169.0	168.6	168.6	168.6	169.4
27.5°	128.2	128.2	128.2	128.6	128.6
30°	97.1	96.4	97.1	97.5	97.5
32.5°	72.6	73.4	73.8	73.8	73.8
35°	56.3	56.0	56.3	56.7	56.7
37.5°	43.0	43.0	43.4	43.4	43.7
40°	33.4	33.4	33.4	33.7	34.1
42.5°	26.3	26.3	26.7	26.7	27.1
45°	21.1	21.1	21.5	21.5	21.5
47.5°	17.0	17.0	17.4	17.4	17.4
50°	14.1	14.1	14.1	14.1	14.1
52.5°	11.9	11.5	11.9	11.9	11.9
55°	9.6	10.0	10.0	10.0	10.0
57.5°	8.2	8.5	8.5	8.5	8.5
60°	7.0	7.0	7.0	7.4	7.4
62.5°	5.9	6.3	6.3	6.3	6.3
65°	5.2	5.2	5.2	5.2	5.2
67.5°	4.4	4.4	4.4	4.4	4.8
70°	3.7	3.7	4.1	4.1	4.1
72.5°	3.3	3.3	3.3	3.3	3.3
75°	2.6	2.6	2.6	2.6	2.6
77.5°	1.9	1.9	2.2	2.2	1.9
80°	1.5	1.5	1.5	1.5	1.5
82.5°	1.1	1.1	1.1	1.1	1.1
85°	0.4	0.4	0.4	0.4	0.4
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)