

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: P1316851

Luminaire Tested: P3SQAS05R359830DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316851
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R359830DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 98CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

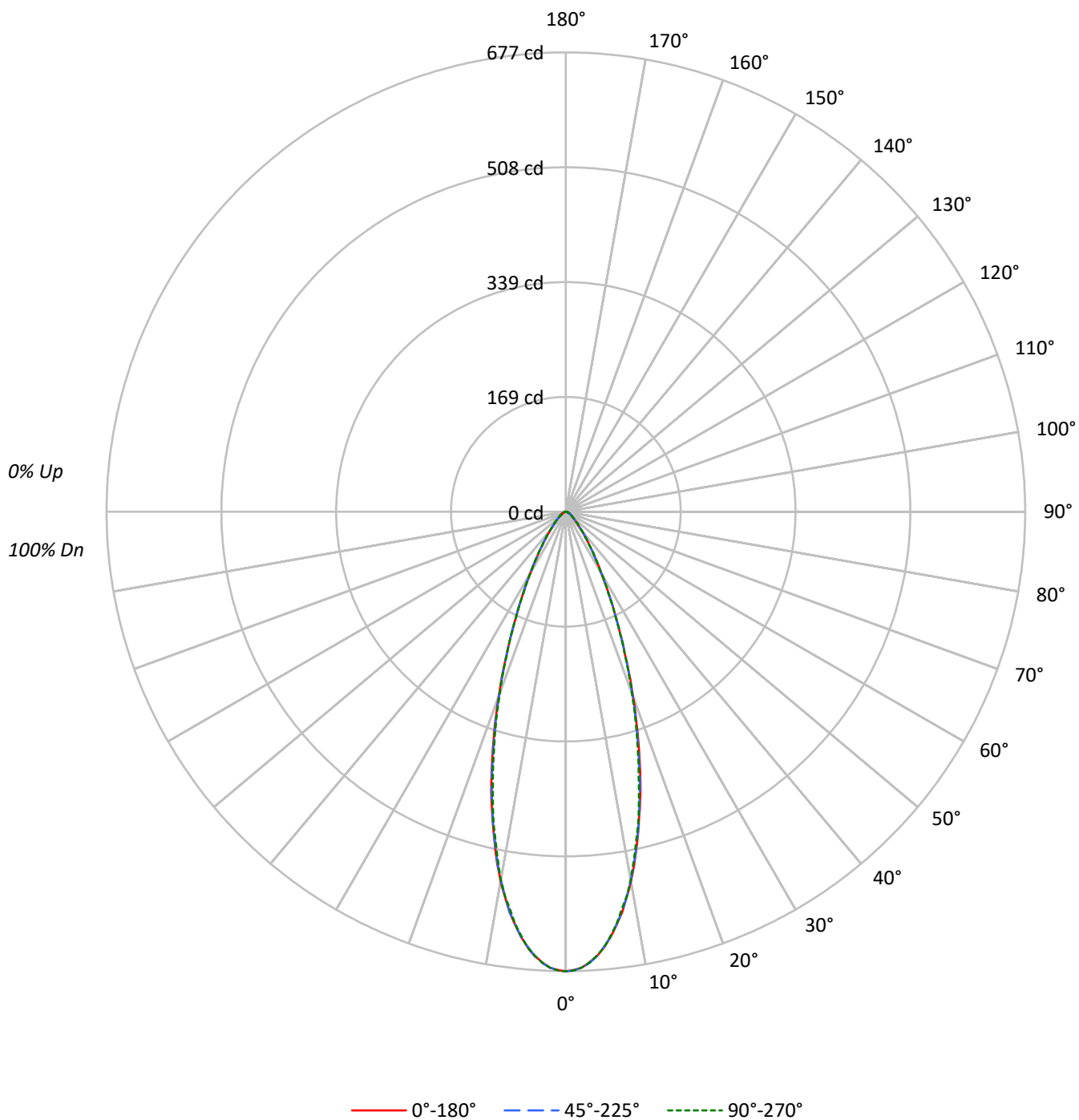
Lumens per Lamp: N/A
Luminaire Lumens: 334.0 lumens
Efficiency: N/A
Efficacy: 46.4 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	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	100
1	114	111	108	106	111	109	106	104	105	103	101		101	99	98		97	96	95	94
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93	91	89	87
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88	86	83	82
4	98	91	86	82	96	90	85	81	88	84	80		86	82	79		84	81	78	77
5	94	86	80	76	92	85	80	76	83	79	75		82	78	75		80	77	74	73
6	90	81	76	72	88	81	75	71	79	74	71		78	74	70		76	73	70	69
7	86	77	72	68	85	77	71	67	75	71	67		74	70	67		73	69	66	65
8	82	73	68	64	81	73	68	64	72	67	64		71	67	63		70	66	63	62
9	79	70	65	61	78	70	64	61	69	64	61		68	63	60		67	63	60	59
10	76	67	62	58	75	67	61	58	66	61	58		65	61	58		64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	116629	116629	116629
5°	111456	111266	111456
10°	96761	96429	96306
15°	75812	75224	74029
20°	53040	52563	52234
25°	33692	33901	33692
30°	20762	20901	20762
35°	12846	12909	12909
40°	8161	8228	8228
45°	5504	5578	5675
50°	3965	4073	4073
55°	3123	3123	3123
60°	2549	2549	2549
65°	2282	2282	2282
70°	2065	2065	2065
75°	1730	1730	1730
80°	1488	1488	1488
85°	790	790	1383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 5675 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.5	17.5
10°-20°	115.2	34.5
20°-30°	83.2	24.9
30°-40°	40.1	12.0
40°-50°	18.5	5.5
50°-60°	9.6	2.9
60°-70°	5.5	1.7
70°-80°	2.8	0.8
80°-90°	0.7	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°	256.9	76.9
0°-40°	297.0	88.9
0°-60°	325.0	97.3
0°-90°	334.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	334.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	677	677	677	677	677	
5°	645	646	644	644	645	59
15°	425	424	422	420	415	116
25°	177	178	178	178	177	83
35°	61	61	61	61	61	40
45°	23	23	23	23	23	18
55°	10	10	10	10	10	9
65°	6	6	6	6	6	5
75°	3	3	3	3	3	3
85°	0	0	0	0	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	677.2	677.2	677.2	677.2	677.2
1°	675.4	676.5	676.1	676.5	676.1
2°	672.1	672.8	672.1	672.4	672.4
3°	665.0	665.8	665.8	665.4	665.0
4°	656.5	658.4	656.5	656.9	655.8
5°	644.7	646.2	643.6	643.9	644.7
6°	630.2	630.6	629.9	629.5	628.8
7°	613.6	615.1	612.5	612.9	612.1
8°	595.8	595.5	595.5	594.0	591.8
9°	574.4	575.8	573.6	572.9	573.3
10°	553.3	553.3	551.4	549.6	550.7
11°	529.2	528.5	527.4	524.8	524.0
12°	502.9	504.4	501.1	500.0	497.4
13°	475.9	478.1	476.7	472.6	473.0
14°	450.8	449.3	448.2	447.4	444.8
15°	425.2	424.5	421.9	420.0	415.2
17.5°	355.3	356.0	351.2	350.5	348.6
20°	289.4	287.2	286.8	287.2	285.0
22.5°	228.3	230.6	228.0	228.3	226.9
25°	177.3	177.6	178.4	178.4	177.3
27.5°	137.7	137.7	136.9	137.7	136.6
30°	104.4	104.4	105.1	105.8	104.4
32.5°	80.7	80.7	80.7	81.0	81.4
35°	61.1	61.1	61.4	61.4	61.4
37.5°	47.0	47.4	47.7	47.7	47.7
40°	36.3	36.6	36.6	37.0	36.6
42.5°	28.9	28.9	28.9	29.2	29.2
45°	22.6	22.9	22.9	23.3	23.3
47.5°	18.5	18.5	18.5	18.9	18.9
50°	14.8	15.2	15.2	15.2	15.2
52.5°	12.2	12.2	12.6	12.6	12.6
55°	10.4	10.4	10.4	10.4	10.4
57.5°	8.5	8.9	8.9	8.9	8.9
60°	7.4	7.4	7.4	7.4	7.4
62.5°	6.3	6.3	6.3	6.3	6.3
65°	5.6	5.6	5.6	5.6	5.6
67.5°	4.4	4.8	4.8	4.8	4.8
70°	4.1	4.1	4.1	4.1	4.1
72.5°	3.0	3.3	3.3	3.3	3.3
75°	2.6	2.6	2.6	2.6	2.6
77.5°	2.2	1.9	1.9	1.9	2.2
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	0.7
87.5°	0.0	0.0	0.0	0.4	0.4



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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)