

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: P1309742

Luminaire Tested: P3SQAS02R259040DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309742
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R259040DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

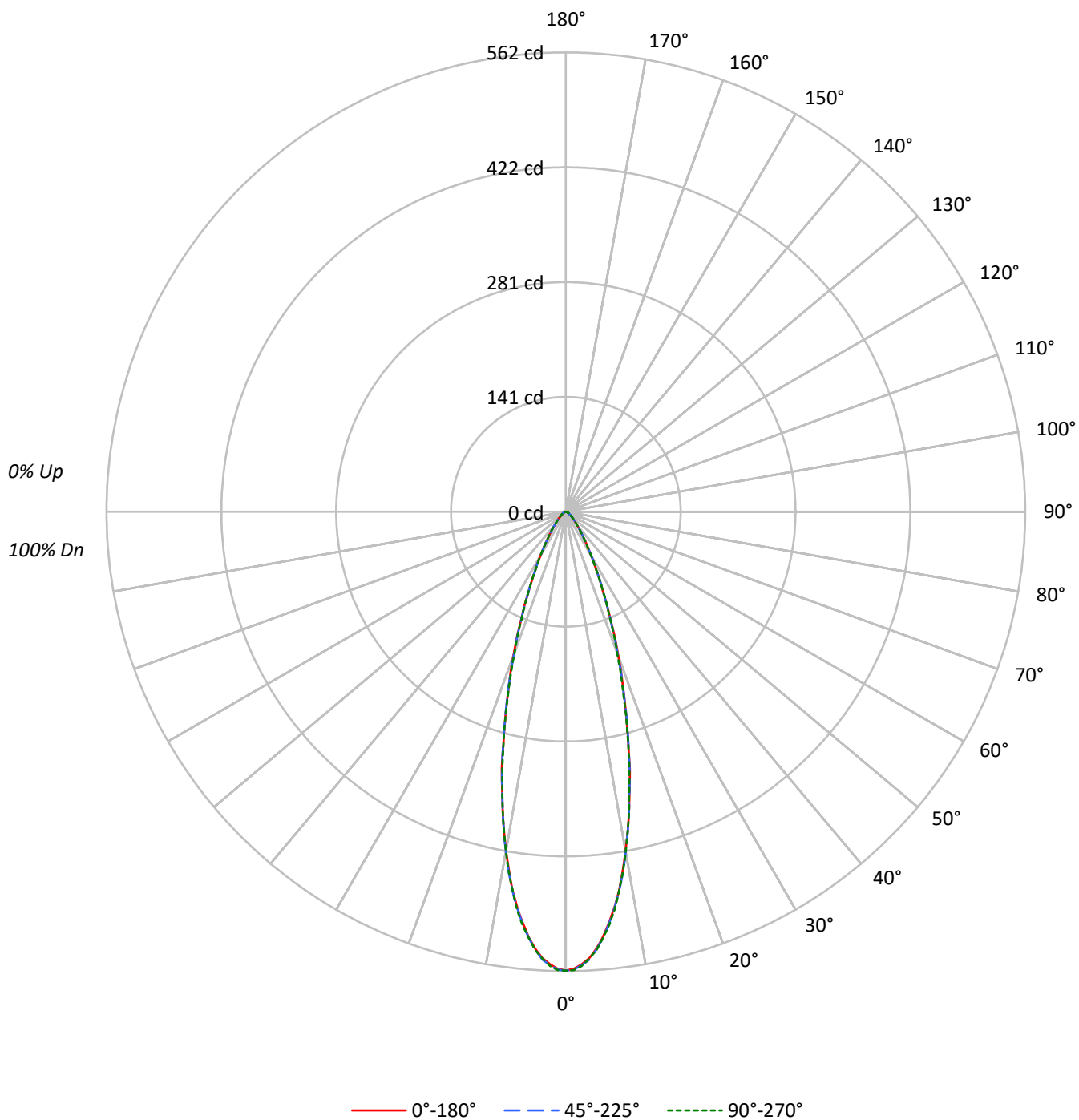
Lumens per Lamp: N/A
Luminaire Lumens: 225.0 lumens
Efficiency: N/A
Efficacy: 62.5 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
Input Voltage (V): NR
Input Current (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	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82
6	91	83	78	74	90	82	77	73	81	76	73		79	75	72		78
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75
8	84	76	70	67	83	75	70	66	74	69	66		73	69	66		72
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	96703	96703	96703
5°	90261	90365	90399
10°	73624	73852	73852
15°	52598	52865	52598
20°	34419	34089	33594
25°	20466	20561	20466
30°	12330	12330	12270
35°	7506	7569	7506
40°	4789	4834	4834
45°	3337	3337	3337
50°	2385	2465	2465
55°	1892	1892	1982
60°	1550	1619	1619
65°	1386	1386	1386
70°	1209	1209	1309
75°	1065	1065	1198
80°	1091	1091	1091
85°	593	593	593

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3337 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.7	20.7
10°-20°	81.3	36.1
20°-30°	51.1	22.7
30°-40°	23.4	10.4
40°-50°	10.9	4.9
50°-60°	5.9	2.6
60°-70°	3.5	1.5
70°-80°	1.8	0.8
80°-90°	0.4	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°	179.1	79.6
0°-40°	202.5	90.0
0°-60°	219.3	97.5
0°-90°	225.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	225.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	562	562	562	562	562	
5°	522	523	523	523	523	47
15°	295	297	296	297	295	81
25°	108	109	108	108	108	51
35°	36	36	36	36	36	23
45°	14	14	14	14	14	11
55°	6	6	6	7	7	6
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
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°	561.5	561.5	561.5	561.5	561.5
1°	559.2	559.7	560.2	561.0	560.8
2°	553.9	555.0	555.2	556.3	556.0
3°	546.8	546.6	548.7	548.7	547.4
4°	535.8	536.3	536.8	537.4	537.6
5°	522.1	523.2	522.7	523.2	522.9
6°	505.3	506.9	506.6	507.2	508.0
7°	487.5	488.5	488.5	488.0	490.1
8°	468.0	467.2	468.6	468.0	467.8
9°	444.9	446.5	446.8	445.4	446.0
10°	421.0	422.1	422.3	423.1	422.3
11°	397.4	397.4	397.9	399.2	397.1
12°	371.6	374.0	371.6	372.7	371.6
13°	347.2	347.7	347.2	347.0	345.1
14°	324.1	322.3	322.8	320.7	321.0
15°	295.0	296.8	296.5	297.1	295.0
17.5°	237.2	238.2	238.0	237.4	234.8
20°	187.8	187.8	186.0	184.9	183.3
22.5°	143.4	142.9	142.1	141.3	141.8
25°	107.7	109.0	108.2	108.2	107.7
27.5°	81.4	83.0	81.7	80.9	81.4
30°	62.0	62.5	62.0	61.7	61.7
32.5°	46.8	47.0	46.8	46.8	46.8
35°	35.7	35.7	36.0	36.0	35.7
37.5°	27.6	27.6	27.6	27.6	27.8
40°	21.3	21.5	21.5	21.5	21.5
42.5°	16.8	17.1	17.1	17.1	17.1
45°	13.7	13.7	13.7	13.7	13.7
47.5°	11.0	11.0	11.0	11.0	11.3
50°	8.9	9.2	9.2	9.2	9.2
52.5°	7.6	7.6	7.6	7.6	7.6
55°	6.3	6.3	6.3	6.6	6.6
57.5°	5.3	5.3	5.5	5.5	5.5
60°	4.5	4.7	4.7	4.7	4.7
62.5°	3.9	3.9	4.2	4.2	4.2
65°	3.4	3.4	3.4	3.4	3.4
67.5°	2.9	2.9	2.9	2.9	3.2
70°	2.4	2.4	2.4	2.6	2.6
72.5°	2.1	2.1	2.1	2.1	2.1
75°	1.6	1.6	1.6	1.8	1.8
77.5°	1.3	1.3	1.3	1.3	1.3
80°	1.1	1.1	1.1	1.1	1.1
82.5°	0.5	0.5	0.8	0.8	0.8
85°	0.3	0.3	0.3	0.3	0.3
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)