

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: P1312909

Luminaire Tested: P3SQAS02R259730DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312909
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: P3SQAS02R259730DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 97CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

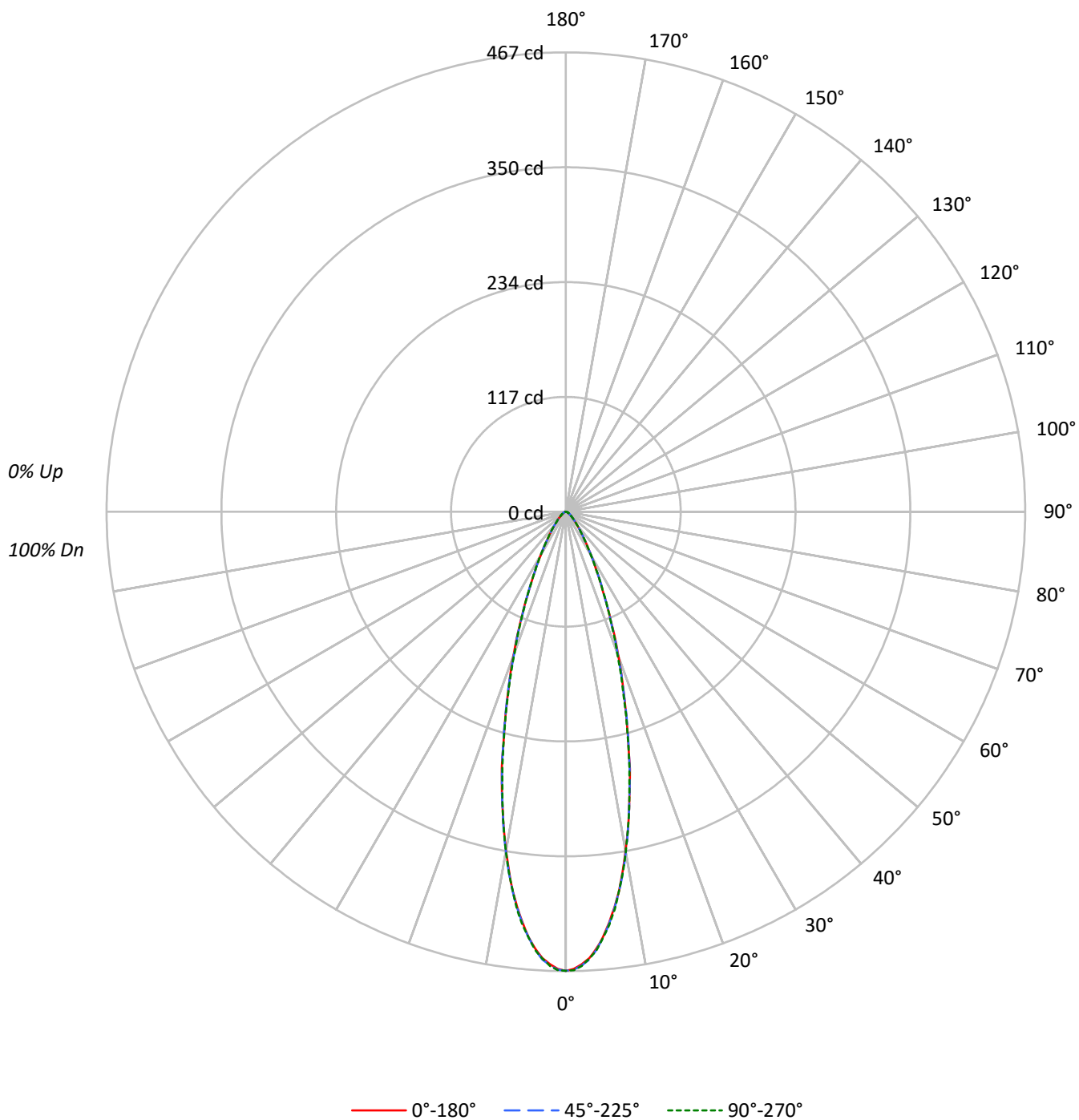
Lumens per Lamp: N/A
Luminaire Lumens: 187.0 lumens
Efficiency: N/A
Efficacy: 51.9 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	76	73		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°	80376	80376	80376
5°	75030	75099	75134
10°	61190	61383	61383
15°	43701	43933	43701
20°	28609	28316	27931
25°	17007	17083	17007
30°	10242	10242	10202
35°	6244	6286	6244
40°	3979	4024	4024
45°	2777	2777	2777
50°	1983	2036	2036
55°	1561	1561	1651
60°	1274	1343	1343
65°	1141	1141	1141
70°	1007	1007	1108
75°	865	865	998
80°	893	893	893
85°	395	395	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2777 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.8	20.7
10°-20°	67.6	36.2
20°-30°	42.5	22.7
30°-40°	19.4	10.4
40°-50°	9.1	4.9
50°-60°	4.9	2.6
60°-70°	2.9	1.5
70°-80°	1.5	0.8
80°-90°	0.3	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°	148.9	79.6
0°-40°	168.3	90.0
0°-60°	182.3	97.5
0°-90°	187.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	187.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	467	467	467	467	467	
5°	434	435	434	435	435	39
15°	245	247	246	247	245	68
25°	90	91	90	90	90	43
35°	30	30	30	30	30	19
45°	11	11	11	11	11	9
55°	5	5	5	6	6	5
65°	3	3	3	3	3	3
75°	1	1	1	2	2	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°	466.7	466.7	466.7	466.7	466.7
1°	464.7	465.2	465.6	466.3	466.0
2°	460.4	461.2	461.5	462.3	462.1
3°	454.5	454.3	456.0	456.0	454.9
4°	445.3	445.7	446.2	446.6	446.8
5°	434.0	434.8	434.4	434.8	434.6
6°	420.0	421.3	421.1	421.5	422.2
7°	405.1	406.0	406.0	405.6	407.3
8°	389.0	388.3	389.4	389.0	388.8
9°	369.8	371.1	371.3	370.2	370.7
10°	349.9	350.8	351.0	351.7	351.0
11°	330.3	330.3	330.7	331.8	330.1
12°	308.9	310.8	308.9	309.8	308.9
13°	288.6	289.0	288.6	288.4	286.8
14°	269.4	267.8	268.3	266.5	266.7
15°	245.1	246.7	246.4	246.9	245.1
17.5°	197.1	198.0	197.8	197.3	195.1
20°	156.1	156.1	154.5	153.7	152.4
22.5°	119.2	118.7	118.1	117.4	117.9
25°	89.5	90.6	89.9	89.9	89.5
27.5°	67.7	69.0	67.9	67.2	67.7
30°	51.5	52.0	51.5	51.3	51.3
32.5°	38.9	39.1	38.9	38.9	38.9
35°	29.7	29.7	29.9	29.9	29.7
37.5°	22.9	22.9	22.9	22.9	23.1
40°	17.7	17.9	17.9	17.9	17.9
42.5°	14.0	14.2	14.2	14.2	14.2
45°	11.4	11.4	11.4	11.4	11.4
47.5°	9.2	9.2	9.2	9.2	9.4
50°	7.4	7.6	7.6	7.6	7.6
52.5°	6.3	6.3	6.3	6.3	6.3
55°	5.2	5.2	5.2	5.5	5.5
57.5°	4.4	4.4	4.6	4.6	4.6
60°	3.7	3.9	3.9	3.9	3.9
62.5°	3.3	3.3	3.5	3.5	3.5
65°	2.8	2.8	2.8	2.8	2.8
67.5°	2.4	2.4	2.4	2.4	2.6
70°	2.0	2.0	2.0	2.2	2.2
72.5°	1.7	1.7	1.7	1.7	1.7
75°	1.3	1.3	1.3	1.5	1.5
77.5°	1.1	1.1	1.1	1.1	1.1
80°	0.9	0.9	0.9	0.9	0.9
82.5°	0.4	0.4	0.7	0.7	0.7
85°	0.2	0.2	0.2	0.2	0.2
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)