

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: P1307508

Luminaire Tested: P3SQAS02R259030DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307508
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R259030DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

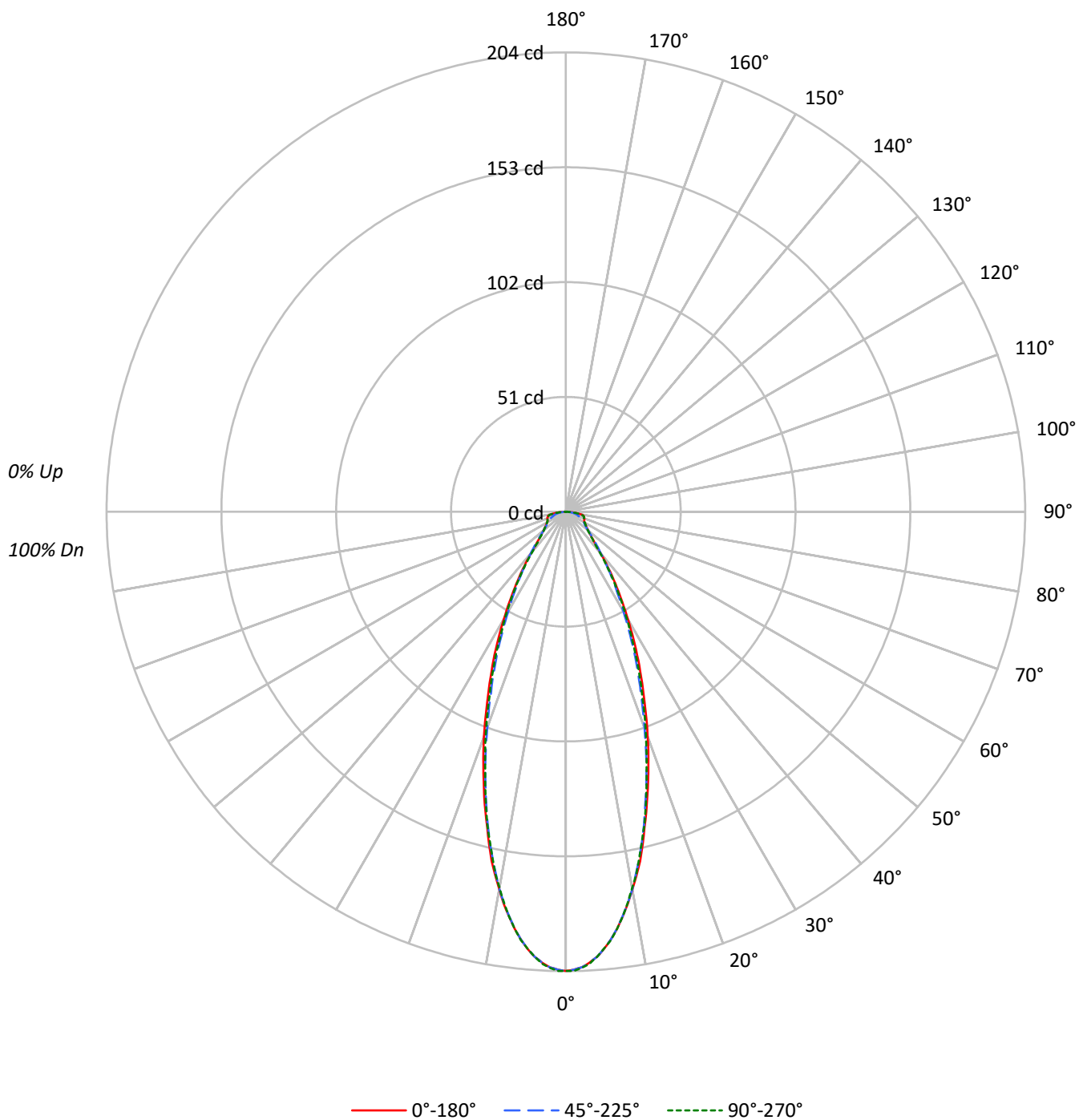
Lumens per Lamp: N/A
Luminaire Lumens: 154.0 lumens
Efficiency: N/A
Efficacy: 42.8 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	111	107	104	101	109	105	102	99	101	99	96		97	95	93		94
2	104	98	92	88	102	96	91	87	93	89	85		89	86	83		87
3	98	90	83	78	95	88	82	78	85	80	76		83	79	75		80
4	92	83	76	71	90	81	75	70	79	74	69		77	72	69		75
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70
6	82	72	65	60	80	71	64	59	69	63	59		68	62	59		66
7	78	67	60	55	76	66	60	55	65	59	55		64	58	55		62
8	74	63	56	52	72	62	56	52	61	55	51		60	55	51		59
9	70	60	53	49	69	59	53	48	58	52	48		57	52	48		56
10	67	56	50	46	66	56	50	46	55	49	46		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	35116	35116	35116
5°	33694	33660	33660
10°	29782	29747	29660
15°	24605	24249	24373
20°	19482	18694	19006
25°	14841	14062	14423
30°	10938	10162	10600
35°	7821	7464	7569
40°	5351	5463	5193
45°	3970	4214	3921
50°	3456	3456	3403
55°	3273	3153	3273
60°	3341	3100	3341
65°	3668	3179	3668
70°	4431	3172	4280
75°	5523	3394	5523
80°	7042	3570	6546
85°	5730	3359	5730

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 7042 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.8	11.6
10°-20°	37.8	24.6
20°-30°	34.6	22.5
30°-40°	22.8	14.8
40°-50°	13.3	8.6
50°-60°	9.7	6.3
60°-70°	8.3	5.4
70°-80°	6.8	4.4
80°-90°	2.8	1.8
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°	90.2	58.6
0°-40°	113.1	73.4
0°-60°	136.1	88.4
0°-90°	154.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	154.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	204	204	204	204	204	
5°	195	195	195	195	195	18
15°	138	138	136	136	137	38
25°	78	76	74	74	76	36
35°	37	36	36	36	36	24
45°	16	17	17	16	16	13
55°	11	11	10	11	11	10
65°	9	8	8	8	9	9
75°	8	6	5	6	8	9
85°	3	3	2	3	3	3
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	203.9	203.9	203.9	203.9	203.9
1°	203.4	203.4	203.4	203.4	203.9
2°	202.4	202.2	202.4	202.4	202.7
3°	200.5	200.5	200.5	200.5	201.0
4°	198.1	198.1	198.1	198.1	198.1
5°	194.9	194.7	194.7	194.9	194.7
6°	191.0	191.0	191.0	191.0	191.3
7°	186.6	186.4	186.4	186.1	186.6
8°	181.5	181.5	181.3	181.0	181.5
9°	176.2	176.4	175.9	175.7	175.7
10°	170.3	170.1	170.1	170.1	169.6
11°	164.5	163.8	163.5	163.5	164.0
12°	158.6	157.4	156.9	156.9	156.9
13°	151.6	151.1	150.4	149.9	150.1
14°	144.5	144.5	143.3	143.3	143.8
15°	138.0	137.5	136.0	136.5	136.7
17.5°	121.7	120.7	119.0	119.0	119.2
20°	106.3	104.6	102.0	103.2	103.7
22.5°	91.2	89.5	86.9	88.1	88.6
25°	78.1	75.9	74.0	74.2	75.9
27.5°	66.2	63.8	61.8	62.5	63.5
30°	55.0	53.5	51.1	52.3	53.3
32.5°	45.5	44.3	42.6	43.3	44.3
35°	37.2	36.5	35.5	35.5	36.0
37.5°	30.2	29.9	29.4	29.2	29.0
40°	23.8	24.3	24.3	23.8	23.1
42.5°	19.5	20.0	20.4	19.5	18.7
45°	16.3	16.8	17.3	16.3	16.1
47.5°	14.4	14.6	14.8	14.4	14.1
50°	12.9	12.9	12.9	12.7	12.7
52.5°	11.9	11.7	11.4	11.7	11.7
55°	10.9	10.9	10.5	10.7	10.9
57.5°	10.2	10.0	9.7	10.0	10.2
60°	9.7	9.2	9.0	9.2	9.7
62.5°	9.2	8.8	8.3	8.8	9.2
65°	9.0	8.3	7.8	8.3	9.0
67.5°	8.8	7.8	7.1	7.8	8.8
70°	8.8	7.3	6.3	7.3	8.5
72.5°	8.5	6.8	5.8	6.8	8.5
75°	8.3	6.3	5.1	6.3	8.3
77.5°	8.0	5.8	4.4	5.8	7.8
80°	7.1	5.4	3.6	5.4	6.6
82.5°	5.1	4.4	2.9	4.4	4.9
85°	2.9	3.2	1.7	3.2	2.9
87.5°	0.5	0.7	0.5	1.2	1.0



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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)