

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: P1316836

Luminaire Tested: P3SQAS05R309830DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316836
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R309830DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

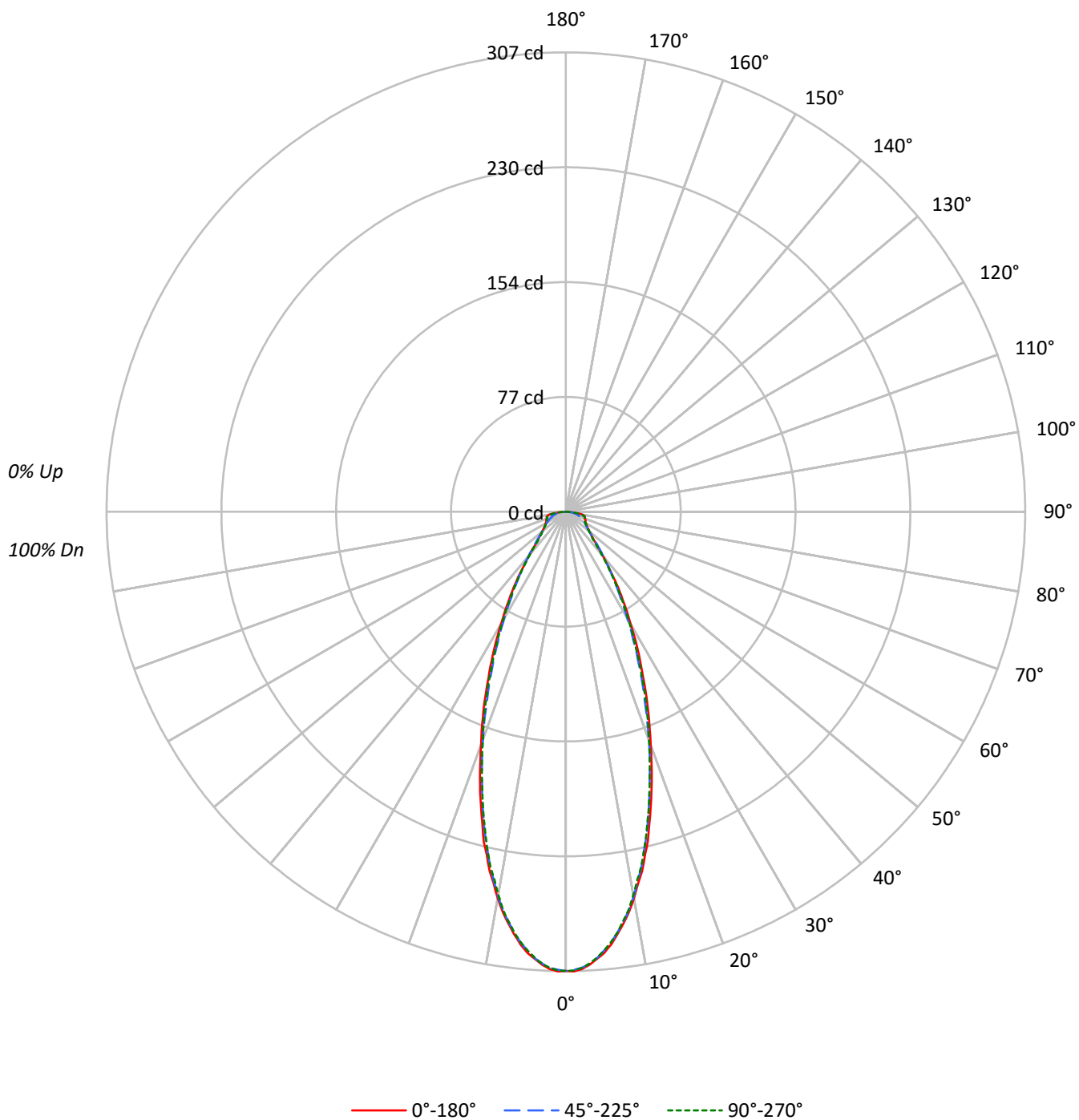
Lumens per Lamp: N/A
Luminaire Lumens: 242.0 lumens
Efficiency: N/A
Efficacy: 33.6 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	111	107	104	101	109	105	102	99	101	99	96		97	95	93		94
2	104	98	92	88	102	96	91	87	92	88	85		89	86	83		86
3	97	89	83	78	95	88	82	77	85	80	76		83	78	75		80
4	92	82	76	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	70	64	85	75	69	64	74	68	63		72	67	63		70
6	82	71	64	59	80	70	64	59	69	63	59		67	62	58		66
7	77	67	60	55	76	66	60	55	65	59	55		63	58	54		62
8	74	63	56	51	72	62	56	51	61	55	51		60	55	51		59
9	70	59	53	48	69	59	52	48	58	52	48		57	51	48		56
10	67	56	50	45	66	56	49	45	55	49	45		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	52855	52855	52855
5°	51138	50879	50879
10°	45888	45626	45434
15°	38459	37870	37799
20°	30369	29746	29746
25°	23240	22328	22746
30°	17242	16367	16725
35°	12468	11921	12005
40°	8588	8746	8341
45°	6406	6674	6138
50°	5573	5466	5466
55°	5225	5014	5104
60°	5373	4994	5236
65°	5909	4972	5746
70°	6899	5035	6697
75°	8850	5456	8650
80°	11009	5852	10315
85°	8695	5928	8102

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 11009 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.1	11.2
10°-20°	58.8	24.3
20°-30°	54.8	22.7
30°-40°	36.4	15.0
40°-50°	21.2	8.8
50°-60°	15.4	6.4
60°-70°	13.0	5.4
70°-80°	10.8	4.5
80°-90°	4.5	1.9
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°	140.7	58.2
0°-40°	177.1	73.2
0°-60°	213.7	88.3
0°-90°	242.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	242.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	307	307	307	307	307	
5°	296	295	294	294	294	27
15°	216	214	212	212	212	60
25°	122	120	118	118	120	56
35°	59	58	57	57	57	37
45°	26	27	27	26	25	21
55°	17	17	17	17	17	16
65°	14	13	12	13	14	14
75°	13	10	8	10	13	14
85°	4	5	3	5	4	5
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	306.9	306.9	306.9	306.9	306.9
1°	307.3	306.9	306.1	306.5	306.5
2°	305.8	305.4	305.0	305.0	305.0
3°	303.2	302.8	302.4	302.4	302.4
4°	299.5	299.1	299.1	298.7	298.7
5°	295.8	295.4	294.3	294.3	294.3
6°	290.6	290.2	289.5	289.1	289.1
7°	284.3	284.3	283.2	282.8	283.2
8°	277.6	277.2	276.5	276.1	276.1
9°	270.6	269.4	269.4	268.3	269.1
10°	262.4	261.7	260.9	260.2	259.8
11°	253.1	252.8	251.7	250.9	250.5
12°	245.4	243.5	242.8	241.7	242.4
13°	235.3	234.2	232.4	232.0	232.4
14°	226.8	224.6	223.1	222.4	222.0
15°	215.7	213.5	212.4	212.0	212.0
17.5°	190.9	189.4	186.4	186.4	186.4
20°	165.7	164.2	162.3	162.0	162.3
22.5°	143.8	141.2	138.2	138.6	140.8
25°	122.3	120.1	117.5	117.9	119.7
27.5°	104.1	101.2	98.6	99.3	100.4
30°	86.7	84.9	82.3	83.0	84.1
32.5°	71.9	70.8	67.8	68.6	69.7
35°	59.3	58.2	56.7	57.1	57.1
37.5°	47.4	47.4	47.1	46.7	46.3
40°	38.2	38.9	38.9	37.8	37.1
42.5°	31.1	31.9	32.6	31.1	30.0
45°	26.3	26.7	27.4	25.9	25.2
47.5°	23.0	23.0	23.7	22.6	22.2
50°	20.8	20.8	20.4	20.0	20.4
52.5°	18.9	18.5	18.2	18.5	18.5
55°	17.4	17.0	16.7	17.0	17.0
57.5°	16.3	15.9	15.6	15.6	15.9
60°	15.6	14.8	14.5	14.8	15.2
62.5°	14.8	13.7	13.3	13.7	14.5
65°	14.5	13.0	12.2	13.0	14.1
67.5°	14.1	12.2	11.1	12.2	13.7
70°	13.7	11.5	10.0	11.5	13.3
72.5°	13.3	10.7	9.3	10.7	13.3
75°	13.3	10.0	8.2	10.0	13.0
77.5°	12.6	9.3	7.0	9.3	12.2
80°	11.1	8.5	5.9	8.2	10.4
82.5°	8.2	7.4	4.4	7.0	7.8
85°	4.4	5.2	3.0	4.8	4.1
87.5°	0.7	1.1	0.7	2.2	1.5



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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)