

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: P1316802

Luminaire Tested: P3SQAS05R209830DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316802
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R209830DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 98CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

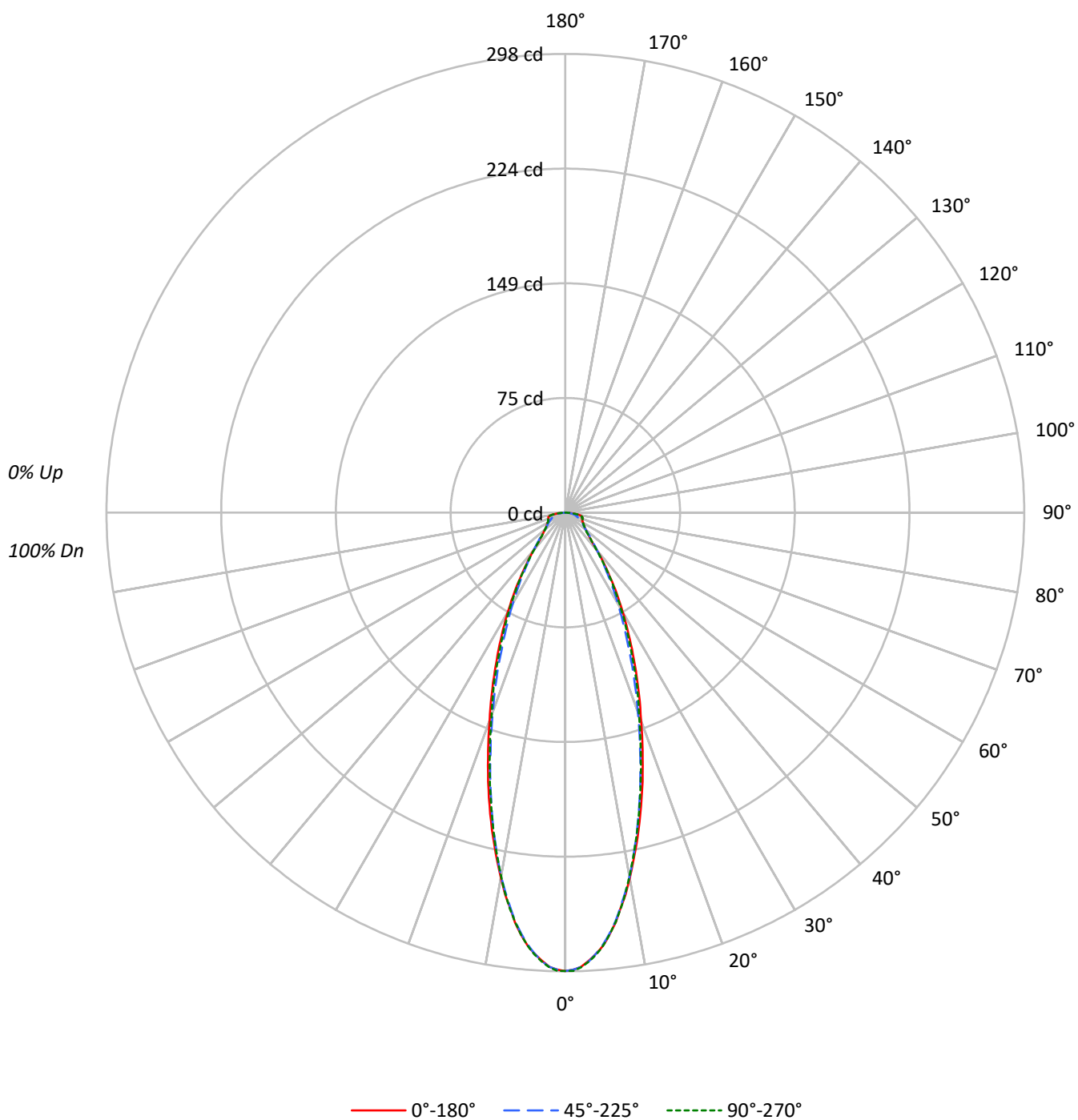
Lumens per Lamp: N/A
Luminaire Lumens: 210.0 lumens
Efficiency: N/A
Efficacy: 29.2 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	108	104	101	109	105	102	100	101	99	96		97	95	94		94
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87
3	98	90	84	79	96	88	83	78	85	81	77		83	79	75		81
4	92	83	76	71	90	82	75	71	79	74	70		77	73	69		75
5	87	77	70	65	85	76	70	65	74	68	64		72	67	63		71
6	82	72	65	60	81	71	65	60	69	64	59		68	63	59		67
7	78	67	61	56	77	67	60	56	65	60	55		64	59	55		63
8	74	63	57	52	73	63	57	52	62	56	52		61	55	52		60
9	71	60	53	49	69	59	53	49	58	53	49		57	52	49		57
10	67	57	50	46	66	56	50	46	55	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	51288	51288	51288
5°	48804	48666	48804
10°	42128	41989	41936
15°	34180	33395	33538
20°	26337	25182	25659
25°	20010	18528	19440
30°	14835	13523	14398
35°	10491	9797	10323
40°	7217	7217	7059
45°	5310	5578	5310
50°	4662	4662	4662
55°	4444	4324	4444
60°	4581	4202	4581
65°	4972	4197	4972
70°	5942	4280	5942
75°	7652	4658	7652
80°	9521	4761	9124
85°	7311	4347	8102

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 9521 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.6	12.2
10°-20°	52.2	24.8
20°-30°	46.6	22.2
30°-40°	30.6	14.6
40°-50°	17.8	8.5
50°-60°	13.2	6.3
60°-70°	11.1	5.3
70°-80°	9.2	4.4
80°-90°	3.8	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°	124.3	59.2
0°-40°	154.8	73.7
0°-60°	185.8	88.5
0°-90°	210.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	210.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	298	298	298	298	298	
5°	282	282	282	282	282	26
15°	192	190	187	188	188	53
25°	105	102	98	100	102	49
35°	50	48	47	48	49	32
45°	22	22	23	22	22	18
55°	15	14	14	14	15	13
65°	12	11	10	11	12	12
75°	12	8	7	8	12	12
85°	4	4	2	4	4	4
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	297.8	297.8	297.8	297.8	297.8
1°	297.0	297.4	297.0	297.4	297.8
2°	295.2	295.6	295.2	295.2	295.6
3°	291.5	291.9	291.9	291.9	292.2
4°	287.1	287.4	287.1	287.4	287.8
5°	282.3	281.9	281.5	281.9	282.3
6°	275.6	275.2	274.9	275.2	275.6
7°	268.2	267.9	267.5	267.5	267.9
8°	259.0	259.4	258.2	259.0	259.4
9°	250.9	250.1	249.4	249.4	250.1
10°	240.9	240.1	240.1	239.8	239.8
12.5°	216.5	215.0	213.9	213.9	214.3
15°	191.7	189.9	187.3	187.7	188.1
17.5°	167.0	164.8	161.5	162.2	162.9
20°	143.7	141.5	137.4	138.9	140.0
22.5°	123.8	120.4	116.7	117.9	121.5
25°	105.3	102.3	97.5	100.1	102.3
27.5°	89.0	85.7	81.6	84.2	86.5
30°	74.6	71.7	68.0	70.2	72.4
32.5°	61.7	59.1	56.5	58.0	59.9
35°	49.9	48.4	46.6	48.0	49.1
37.5°	40.3	39.5	38.8	39.5	39.2
40°	32.1	32.5	32.1	32.1	31.4
42.5°	25.5	26.6	27.0	26.2	25.5
45°	21.8	22.2	22.9	22.2	21.8
47.5°	19.2	19.2	19.6	19.2	18.8
50°	17.4	17.4	17.4	17.4	17.4
52.5°	15.9	15.9	15.5	15.9	15.9
55°	14.8	14.4	14.4	14.4	14.8
57.5°	14.0	13.7	13.3	13.7	14.0
60°	13.3	12.6	12.2	12.6	13.3
62.5°	12.6	11.8	11.5	11.8	12.6
65°	12.2	11.1	10.3	11.1	12.2
67.5°	11.8	10.3	9.6	10.3	12.2
70°	11.8	9.6	8.5	10.0	11.8
72.5°	11.5	9.2	7.8	9.2	11.5
75°	11.5	8.5	7.0	8.5	11.5
77.5°	10.7	7.8	5.9	7.8	10.7
80°	9.6	7.0	4.8	7.0	9.2
82.5°	7.0	5.9	3.7	5.9	7.0
85°	3.7	4.1	2.2	4.1	4.1
87.5°	0.4	1.5	0.7	2.2	1.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)