

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: P1315926

Luminaire Tested: P3SQAS05R209827DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315926
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: P3SQAS05R209827DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 98CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

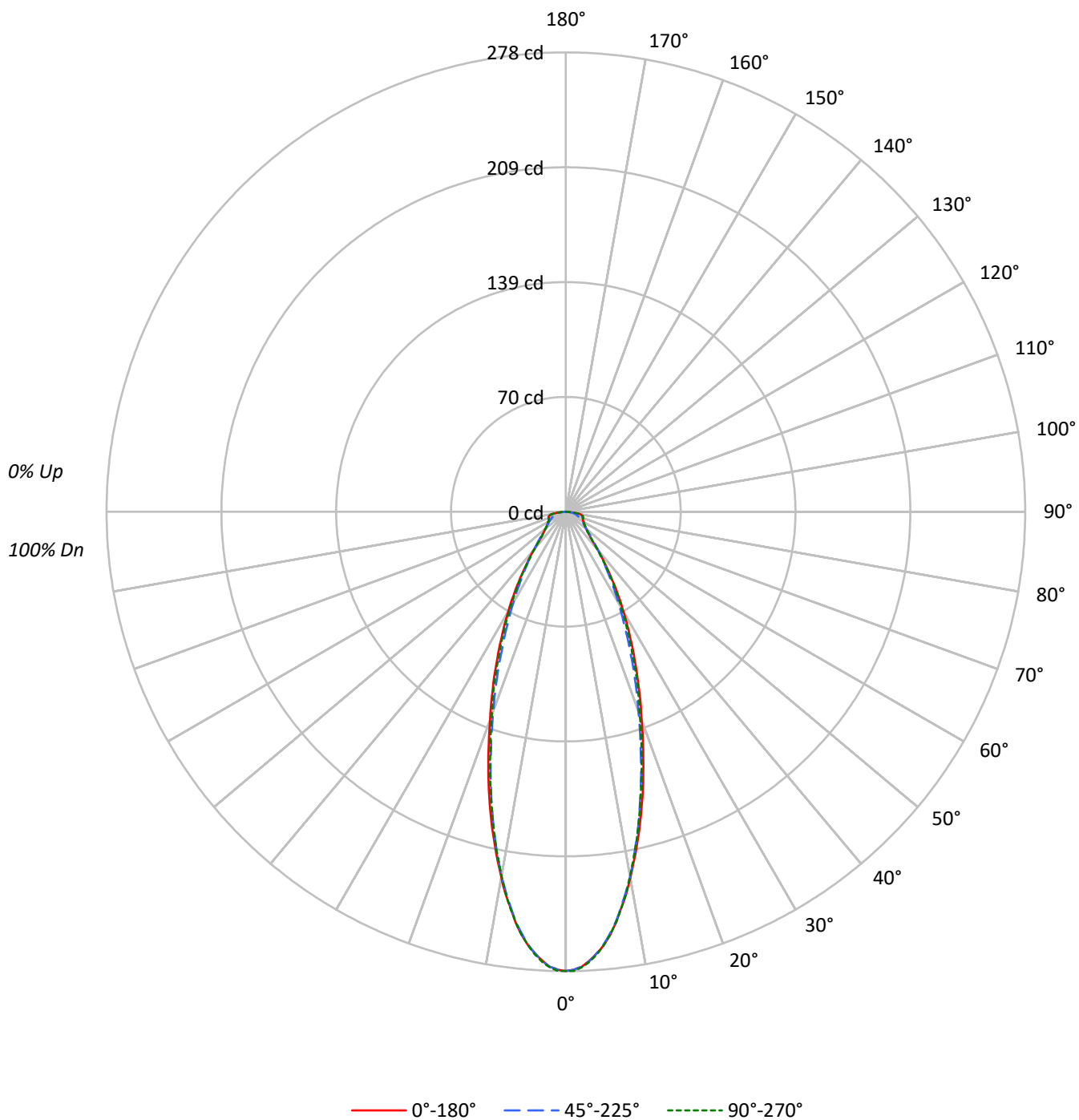
Lumens per Lamp: N/A
Luminaire Lumens: 196.0 lumens
Efficiency: N/A
Efficacy: 27.2 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89		
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80		
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72		
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66		
5	87	77	70	65	85	76	70	65	74	68	64	72	67	64	71	66	63	61		
6	82	72	65	60	81	71	65	60	69	64	59	68	63	59	67	62	59	57		
7	78	67	61	56	77	67	60	56	65	60	55	64	59	55	63	58	55	53		
8	74	63	57	52	73	63	57	52	62	56	52	61	55	52	60	55	51	50		
9	71	60	53	49	69	59	53	49	58	53	49	58	52	49	57	52	48	47		
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	44		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	47861	47861	47861
5°	45537	45433	45537
10°	39313	39190	39138
15°	31915	31166	31291
20°	24577	23514	23954
25°	18680	17292	18148
30°	13861	12608	13443
35°	9797	9125	9650
40°	6745	6745	6587
45°	4944	5212	4944
50°	4340	4340	4340
55°	4144	4023	4144
60°	4271	3927	4271
65°	4646	3953	4646
70°	5539	3978	5539
75°	7120	4392	7120
80°	8926	4463	8529
85°	6719	4150	7509

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 8926 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.8	12.2
10°-20°	48.7	24.8
20°-30°	43.5	22.2
30°-40°	28.5	14.6
40°-50°	16.6	8.5
50°-60°	12.3	6.3
60°-70°	10.4	5.3
70°-80°	8.6	4.4
80°-90°	3.6	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°	116.0	59.2
0°-40°	144.5	73.7
0°-60°	173.4	88.5
0°-90°	196.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	196.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	278	278	278	278	278	
5°	263	263	263	263	263	24
15°	179	177	175	175	176	49
25°	98	96	91	93	96	45
35°	47	45	43	45	46	30
45°	20	21	21	21	20	16
55°	14	13	13	13	14	13
65°	11	10	10	10	11	11
75°	11	8	7	8	11	11
85°	3	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°	277.9	277.9	277.9	277.9	277.9
1°	277.2	277.6	277.2	277.6	277.9
2°	275.5	275.9	275.5	275.5	275.9
3°	272.1	272.4	272.4	272.4	272.8
4°	267.9	268.3	267.9	268.3	268.6
5°	263.4	263.1	262.8	263.1	263.4
6°	257.2	256.9	256.5	256.9	257.2
7°	250.3	250.0	249.7	249.7	250.0
8°	241.7	242.1	241.0	241.7	242.1
9°	234.1	233.4	232.8	232.8	233.4
10°	224.8	224.1	224.1	223.8	223.8
12.5°	202.1	200.7	199.7	199.7	200.0
15°	179.0	177.2	174.8	175.2	175.5
17.5°	155.9	153.8	150.7	151.4	152.1
20°	134.1	132.1	128.3	129.7	130.7
22.5°	115.5	112.4	109.0	110.0	113.4
25°	98.3	95.5	91.0	93.4	95.5
27.5°	83.1	80.0	76.2	78.6	80.7
30°	69.7	66.9	63.4	65.5	67.6
32.5°	57.6	55.2	52.8	54.1	55.9
35°	46.6	45.2	43.4	44.8	45.9
37.5°	37.6	36.9	36.2	36.9	36.6
40°	30.0	30.3	30.0	30.0	29.3
42.5°	23.8	24.8	25.2	24.5	23.8
45°	20.3	20.7	21.4	20.7	20.3
47.5°	17.9	17.9	18.3	17.9	17.6
50°	16.2	16.2	16.2	16.2	16.2
52.5°	14.8	14.8	14.5	14.8	14.8
55°	13.8	13.4	13.4	13.4	13.8
57.5°	13.1	12.8	12.4	12.8	13.1
60°	12.4	11.7	11.4	11.7	12.4
62.5°	11.7	11.0	10.7	11.0	11.7
65°	11.4	10.3	9.7	10.3	11.4
67.5°	11.0	9.7	9.0	9.7	11.4
70°	11.0	9.0	7.9	9.3	11.0
72.5°	10.7	8.6	7.2	8.6	10.7
75°	10.7	7.9	6.6	7.9	10.7
77.5°	10.0	7.2	5.5	7.2	10.0
80°	9.0	6.6	4.5	6.6	8.6
82.5°	6.6	5.5	3.4	5.5	6.6
85°	3.4	3.8	2.1	3.8	3.8
87.5°	0.3	1.4	0.7	2.1	1.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)