

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: P1314838

Luminaire Tested: P3SQAS02R209740DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314838
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: P3SQAS02R209740DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

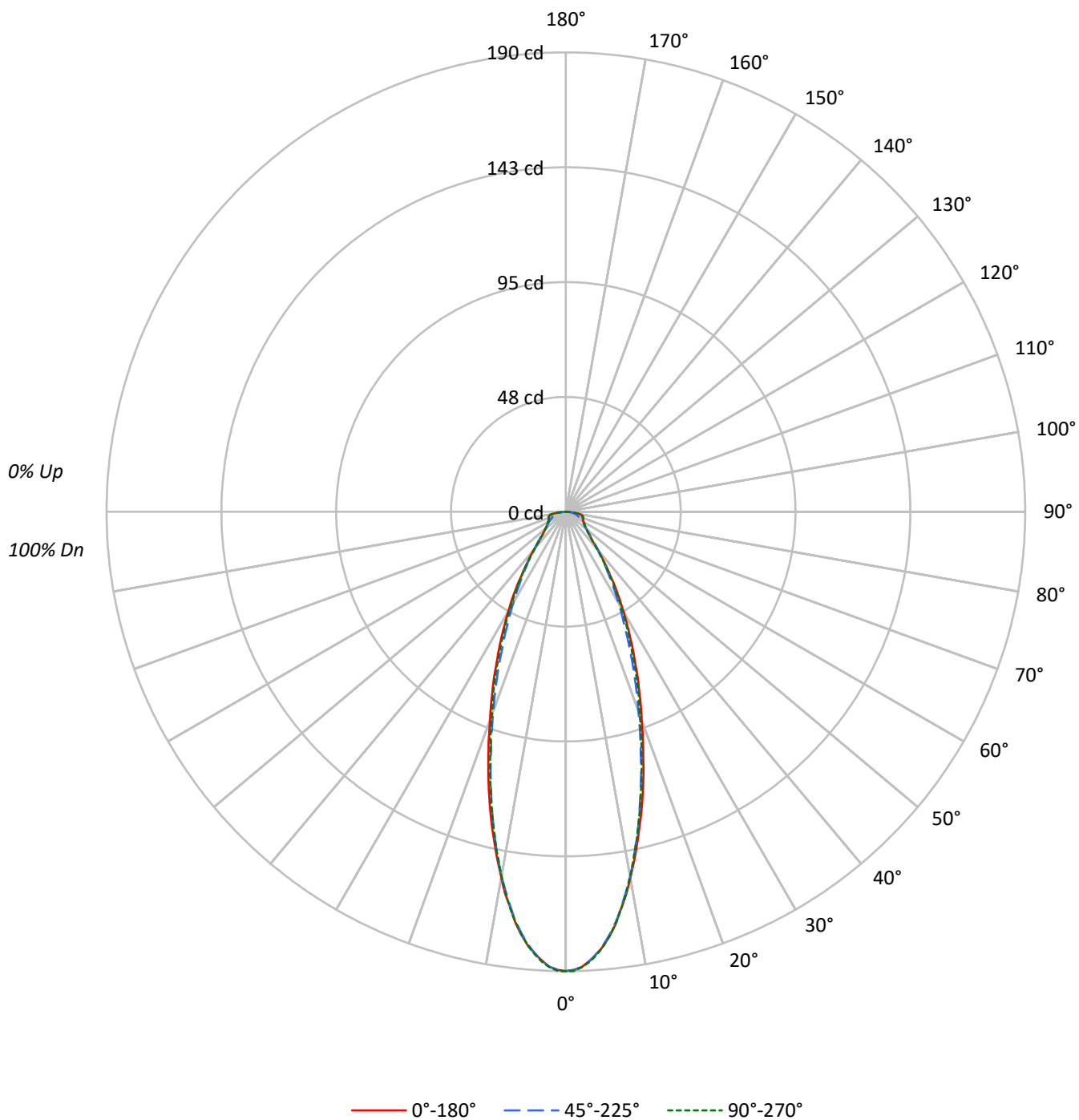
Lumens per Lamp: N/A
Luminaire Lumens: 134.0 lumens
Efficiency: N/A
Efficacy: 37.2 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	32722	32722	32722
5°	31136	31049	31136
10°	26879	26792	26757
15°	21824	21307	21396
20°	16806	16073	16367
25°	12770	11820	12409
30°	9466	8631	9188
35°	6686	6244	6602
40°	4609	4609	4496
45°	3385	3556	3385
50°	2974	2974	2974
55°	2822	2762	2822
60°	2928	2687	2928
65°	3179	2690	3179
70°	3777	2719	3777
75°	4858	2994	4858
80°	6050	3075	5852
85°	4742	2766	5138

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 6050 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.3	12.2
10°-20°	33.3	24.8
20°-30°	29.7	22.2
30°-40°	19.5	14.6
40°-50°	11.3	8.5
50°-60°	8.4	6.3
60°-70°	7.1	5.3
70°-80°	5.9	4.4
80°-90°	2.5	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°	79.3	59.2
0°-40°	98.8	73.7
0°-60°	118.6	88.5
0°-90°	134.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	134.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	190	190	190	190	190	
5°	180	180	180	180	180	16
15°	122	121	120	120	120	34
25°	67	65	62	64	65	31
35°	32	31	30	31	31	20
45°	14	14	15	14	14	11
55°	9	9	9	9	9	9
65°	8	7	7	7	8	8
75°	7	5	4	5	7	7
85°	2	3	1	3	3	3
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	190.0	190.0	190.0	190.0	190.0
1°	189.5	189.8	189.5	189.8	190.0
2°	188.4	188.6	188.4	188.4	188.6
3°	186.0	186.2	186.2	186.2	186.5
4°	183.2	183.4	183.2	183.4	183.6
5°	180.1	179.9	179.6	179.9	180.1
6°	175.9	175.6	175.4	175.6	175.9
7°	171.2	170.9	170.7	170.7	170.9
8°	165.3	165.5	164.8	165.3	165.5
9°	160.1	159.6	159.1	159.1	159.6
10°	153.7	153.2	153.2	153.0	153.0
12.5°	138.1	137.2	136.5	136.5	136.7
15°	122.4	121.2	119.5	119.8	120.0
17.5°	106.6	105.1	103.0	103.5	104.0
20°	91.7	90.3	87.7	88.6	89.3
22.5°	79.0	76.9	74.5	75.2	77.6
25°	67.2	65.3	62.2	63.9	65.3
27.5°	56.8	54.7	52.1	53.8	55.2
30°	47.6	45.7	43.4	44.8	46.2
32.5°	39.4	37.7	36.1	37.0	38.2
35°	31.8	30.9	29.7	30.6	31.4
37.5°	25.7	25.2	24.8	25.2	25.0
40°	20.5	20.7	20.5	20.5	20.0
42.5°	16.3	17.0	17.2	16.7	16.3
45°	13.9	14.1	14.6	14.1	13.9
47.5°	12.3	12.3	12.5	12.3	12.0
50°	11.1	11.1	11.1	11.1	11.1
52.5°	10.1	10.1	9.9	10.1	10.1
55°	9.4	9.2	9.2	9.2	9.4
57.5°	9.0	8.7	8.5	8.7	9.0
60°	8.5	8.0	7.8	8.0	8.5
62.5°	8.0	7.5	7.3	7.5	8.0
65°	7.8	7.1	6.6	7.1	7.8
67.5°	7.5	6.6	6.1	6.6	7.8
70°	7.5	6.1	5.4	6.4	7.5
72.5°	7.3	5.9	5.0	5.9	7.3
75°	7.3	5.4	4.5	5.4	7.3
77.5°	6.8	5.0	3.8	5.0	6.8
80°	6.1	4.5	3.1	4.5	5.9
82.5°	4.5	3.8	2.4	3.8	4.5
85°	2.4	2.6	1.4	2.6	2.6
87.5°	0.2	0.9	0.5	1.4	1.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)