

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: P1314640

Luminaire Tested: P3SQAS20R159735D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314640
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R159735D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

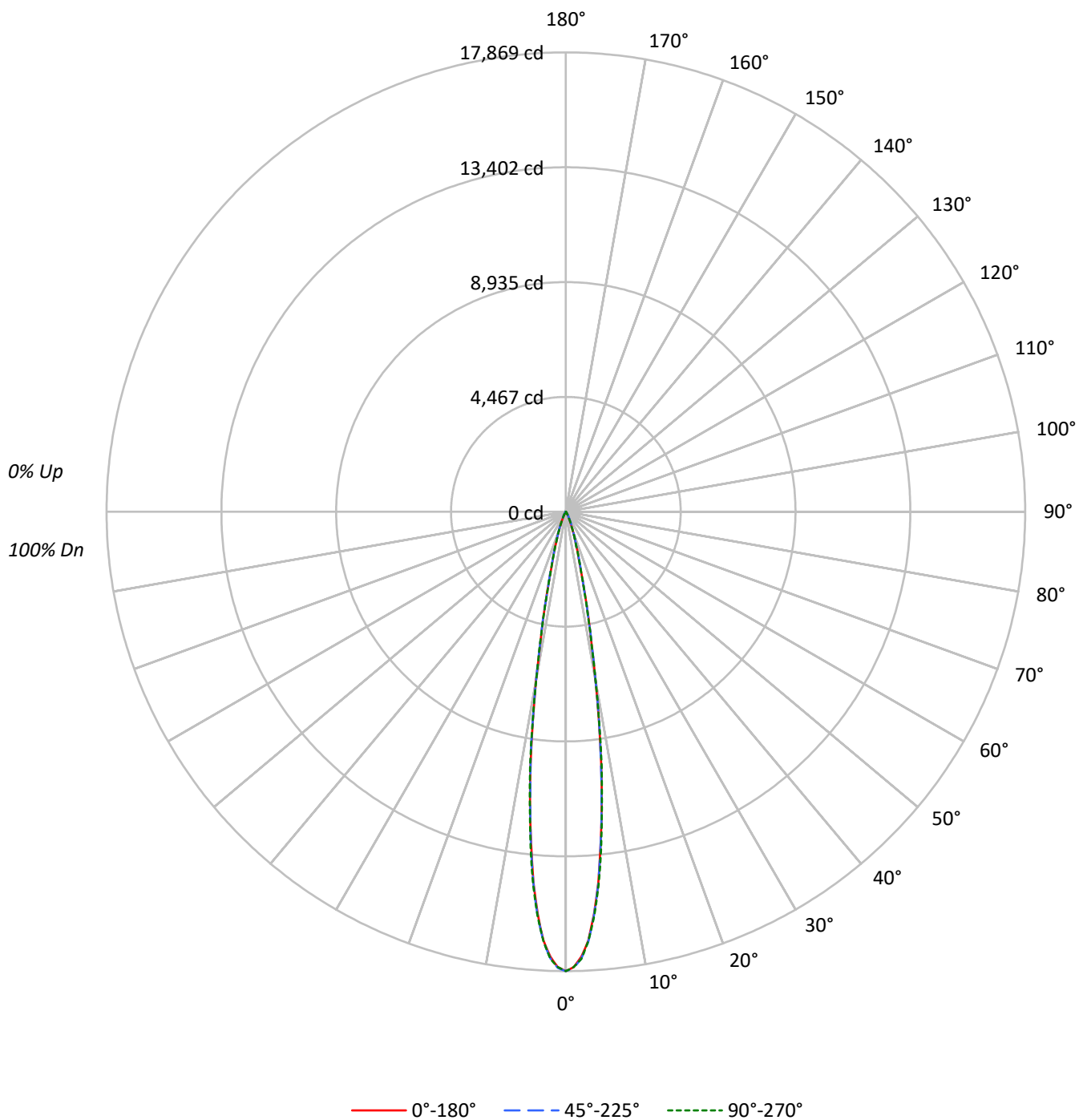
Lumens per Lamp: N/A
Luminaire Lumens: 2006.1 lumens
Efficiency: N/A
Efficacy: 69.7 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	116	114	112	111	113	112	110	109	108	107	105		104	103	102		101
2	112	109	107	105	110	108	105	103	105	103	101		102	100	99		99
3	110	106	103	100	108	104	102	99	102	100	98		100	98	96		98
4	107	102	99	97	106	101	98	96	100	97	95		98	96	94		96
5	105	100	96	94	103	99	96	93	97	95	93		96	94	92		95
6	102	97	94	91	101	97	93	91	95	92	90		94	92	90		93
7	100	95	92	89	99	94	91	89	93	91	89		92	90	88		92
8	98	93	90	87	98	93	89	87	92	89	87		91	88	86		90
9	97	91	88	86	96	91	88	85	90	87	85		89	87	85		89
10	95	89	86	84	94	89	86	84	89	86	84		88	85	84		87

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3077429	3077429	3077429
5°	2502393	2511107	2519820
10°	1165397	1166498	1160168
15°	360590	373499	366474
20°	143761	151844	142020
25°	60162	70937	57160
30°	24441	32574	22551
35°	7947	14906	7296
40°	2833	6025	2833
45°	1145	1924	1145
50°	857	1259	857
55°	961	961	961
60°	1102	1102	1102
65°	652	652	652
70°	806	806	806
75°	1065	1065	1065
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1924 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1118.5	55.8
10°-20°	668.8	33.3
20°-30°	170.2	8.5
30°-40°	37.0	1.8
40°-50°	6.0	0.3
50°-60°	2.9	0.1
60°-70°	1.8	0.1
70°-80°	1.0	0.1
80°-90°	0.0	0.0
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°	1957.4	97.6
0°-40°	1994.4	99.4
0°-60°	2003.3	99.9
0°-90°	2006.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2006.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	17869	17869	17869	17869	17869	
5°	14475	14495	14525	14459	14576	1116
15°	2022	2079	2095	2065	2055	666
25°	317	339	373	331	301	161
35°	38	49	71	47	35	30
45°	5	6	8	6	5	4
55°	3	3	3	3	3	3
65°	2	2	2	2	2	2
75°	2	2	2	2	2	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	17868.9	17868.9	17868.9	17868.9	17868.9
1°	17713.0	17742.9	17747.7	17742.9	17717.7
2°	17314.5	17402.7	17383.8	17346.0	17399.6
3°	16698.7	16742.8	16736.5	16739.6	16727.0
4°	15697.0	15774.1	15730.0	15763.1	15766.3
5°	14474.7	14495.2	14525.1	14459.0	14575.5
6°	12970.5	13101.3	12986.3	13099.7	13145.4
7°	11441.2	11516.8	11370.3	11449.0	11496.3
8°	9877.1	9744.8	9825.2	9826.7	9982.7
9°	8188.7	8215.5	8283.2	8206.0	8273.7
10°	6664.0	6725.5	6670.3	6643.6	6634.1
11°	5262.2	5331.5	5326.8	5334.7	5282.7
12°	4233.7	4197.5	4221.1	4144.0	4178.6
13°	3295.0	3296.6	3277.7	3246.2	3217.8
14°	2581.5	2565.8	2609.9	2570.5	2534.3
15°	2022.4	2079.1	2094.8	2064.9	2055.4
17.5°	1247.4	1249.0	1271.1	1242.7	1239.6
20°	784.4	803.3	828.5	798.6	774.9
22.5°	496.1	513.5	552.8	515.0	482.0
25°	316.6	338.6	373.3	330.8	300.8
27.5°	198.5	218.9	252.0	212.6	190.6
30°	122.9	137.0	163.8	133.9	113.4
32.5°	70.9	85.1	107.1	80.3	67.7
35°	37.8	48.8	70.9	47.3	34.7
37.5°	22.1	28.4	45.7	25.2	20.5
40°	12.6	17.3	26.8	15.8	12.6
42.5°	7.9	11.0	12.6	9.5	6.3
45°	4.7	6.3	7.9	6.3	4.7
47.5°	3.2	4.7	6.3	3.2	3.2
50°	3.2	3.2	4.7	3.2	3.2
52.5°	3.2	3.2	3.2	3.2	3.2
55°	3.2	3.2	3.2	3.2	3.2
57.5°	3.2	3.2	3.2	3.2	3.2
60°	3.2	3.2	3.2	3.2	3.2
62.5°	1.6	1.6	1.6	1.6	1.6
65°	1.6	1.6	1.6	1.6	1.6
67.5°	1.6	1.6	1.6	1.6	1.6
70°	1.6	1.6	1.6	1.6	1.6
72.5°	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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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)