

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: P1314731

Luminaire Tested: P3SQAS20R459735D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314731
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R459735D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 3500K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

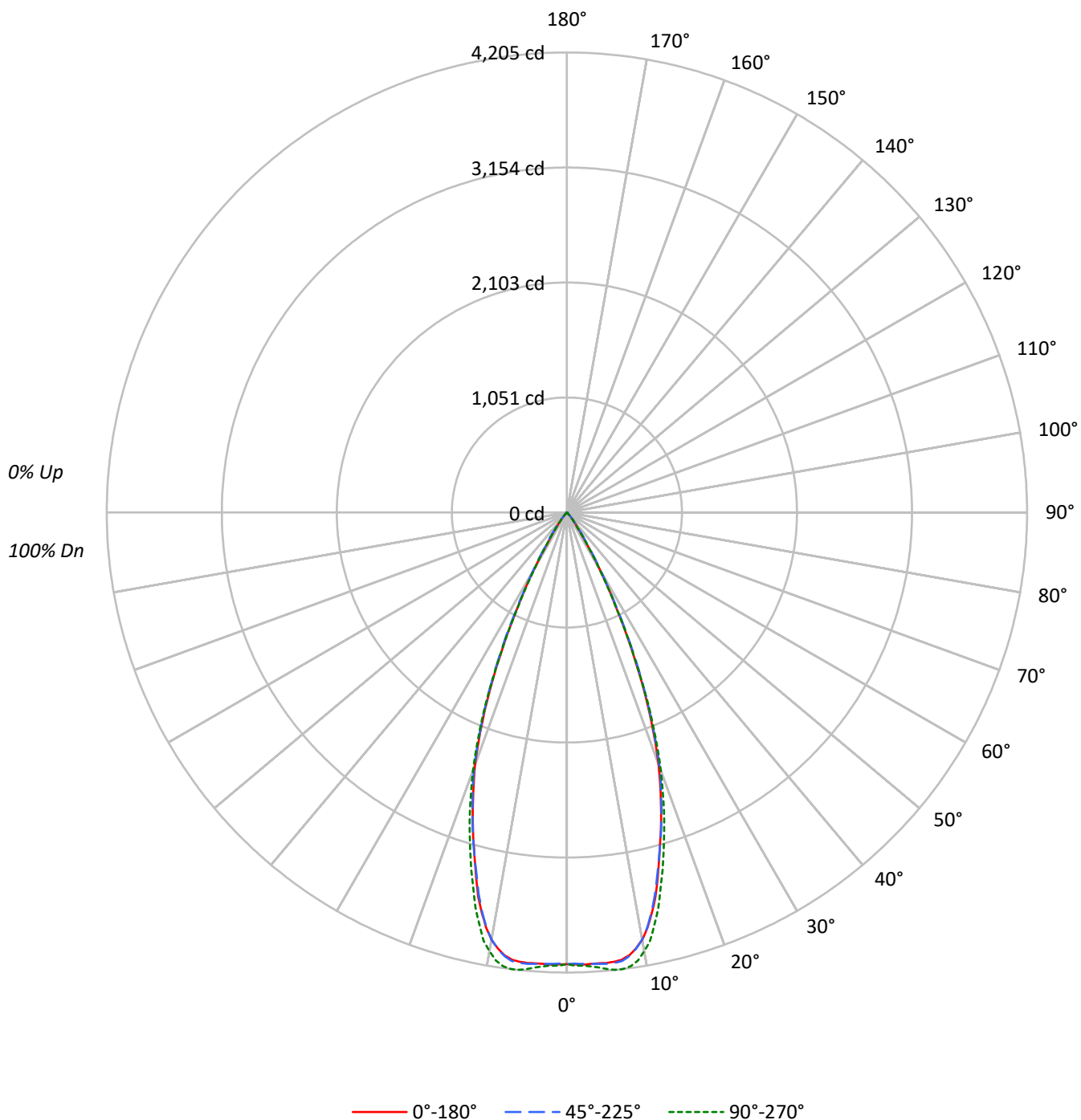
Lumens per Lamp: N/A
Luminaire Lumens: 2137.1 lumens
Efficiency: N/A
Efficacy: 74.2 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	106	102	99	108	104	101	98	101	98	96		98	96	94		95
3	106	100	96	93	104	99	95	92	96	93	91		94	91	89		92
4	101	95	91	87	100	94	90	87	92	88	86		90	87	85		88
5	98	91	86	82	96	90	85	82	88	84	81		86	83	81		85
6	94	86	82	78	93	86	81	78	84	80	77		83	79	77		82
7	90	83	78	74	89	82	77	74	81	77	74		80	76	73		79
8	87	79	74	71	86	79	74	71	78	73	70		77	73	70		76
9	84	76	71	68	83	75	71	68	75	70	67		74	70	67		73
10	81	73	68	65	80	72	68	65	72	67	65		71	67	64		70

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	711107	711107	711107
5°	714636	716002	724162
10°	693415	692872	712162
15°	581144	580859	602201
20°	449245	453863	460223
25°	275406	281087	276014
30°	118106	123436	114348
35°	37087	44719	36099
40°	12747	16300	12388
45°	2314	6917	1924
50°	1259	2545	1259
55°	1411	1411	1411
60°	1102	1102	1102
65°	1304	1304	1304
70°	806	806	806
75°	1065	1065	1065
80°	1587	1587	1587
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 6917 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	392.4	18.4
10°-20°	906.8	42.4
20°-30°	663.9	31.1
30°-40°	146.7	6.9
40°-50°	18.0	0.8
50°-60°	4.2	0.2
60°-70°	3.1	0.1
70°-80°	1.7	0.1
80°-90°	0.2	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°	1963.1	91.9
0°-40°	2109.8	98.7
0°-60°	2132.0	99.8
0°-90°	2137.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2137.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4129	4129	4129	4129	4129	
5°	4134	4131	4142	4172	4189	390
15°	3259	3242	3258	3337	3378	899
25°	1449	1448	1479	1468	1452	656
35°	176	186	213	186	172	139
45°	10	16	28	16	8	13
55°	5	5	5	5	5	4
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
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°	4129.0	4129.0	4129.0	4129.0	4129.0
1°	4132.1	4125.8	4124.2	4135.3	4143.2
2°	4135.3	4127.4	4129.0	4140.0	4144.7
3°	4132.1	4124.2	4132.1	4147.9	4154.2
4°	4130.6	4127.4	4135.3	4157.3	4168.4
5°	4133.7	4130.6	4141.6	4171.5	4188.8
6°	4129.0	4124.2	4140.0	4177.8	4203.0
7°	4117.9	4113.2	4130.6	4176.2	4204.6
8°	4088.0	4078.6	4095.9	4152.6	4187.3
9°	4034.5	4021.9	4039.2	4105.3	4146.3
10°	3965.1	3951.0	3962.0	4026.6	4072.3
11°	3865.9	3847.0	3859.6	3928.9	3988.8
12°	3739.9	3713.1	3728.8	3807.6	3850.1
13°	3602.8	3577.6	3580.8	3651.6	3711.5
14°	3432.7	3399.6	3413.8	3487.8	3535.1
15°	3259.4	3242.1	3257.8	3336.6	3377.5
17.5°	2862.4	2860.8	2875.0	2933.3	2955.3
20°	2451.2	2456.0	2476.4	2507.9	2511.1
22.5°	1964.5	1966.0	1988.1	2010.1	2005.4
25°	1449.3	1447.7	1479.2	1468.2	1452.5
27.5°	961.0	967.3	995.6	975.1	959.4
30°	593.9	606.5	620.7	595.5	575.0
32.5°	321.4	341.8	362.3	340.3	319.8
35°	176.4	185.9	212.7	185.9	171.7
37.5°	102.4	107.1	124.5	107.1	97.7
40°	56.7	64.6	72.5	64.6	55.1
42.5°	23.6	36.2	44.1	36.2	23.6
45°	9.5	15.8	28.4	15.8	7.9
47.5°	4.7	6.3	17.3	6.3	4.7
50°	4.7	4.7	9.5	4.7	4.7
52.5°	4.7	4.7	4.7	4.7	4.7
55°	4.7	4.7	4.7	4.7	4.7
57.5°	4.7	4.7	4.7	4.7	4.7
60°	3.2	3.2	3.2	4.7	3.2
62.5°	3.2	3.2	3.2	3.2	3.2
65°	3.2	3.2	3.2	3.2	3.2
67.5°	3.2	3.2	3.2	3.2	3.2
70°	1.6	1.6	1.6	3.2	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°	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6
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)