

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: P1313759

Luminaire Tested: P3SQAS20R459730D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313759
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: P3SQAS20R459730D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

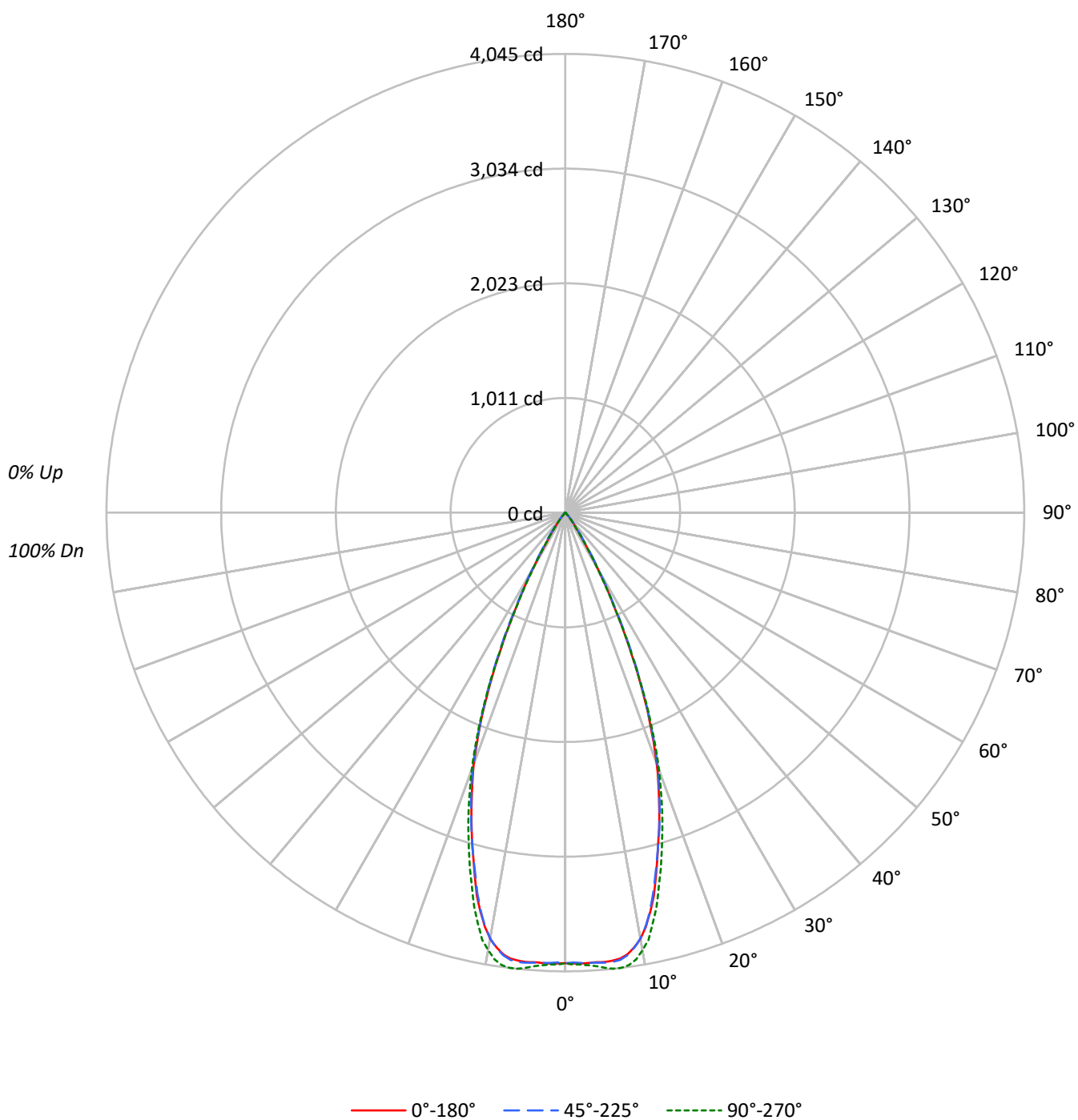
Lumens per Lamp: N/A
Luminaire Lumens: 2055.9 lumens
Efficiency: N/A
Efficacy: 71.4 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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		87	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°	684154	684154	684154
5°	687546	688860	696726
10°	667130	666605	685160
15°	559107	558839	579379
20°	432219	436672	442775
25°	264973	270446	265543
30°	113632	118763	110012
35°	35700	43016	34732
40°	12275	15670	11915
45°	2216	6649	1851
50°	1206	2438	1206
55°	1351	1351	1351
60°	1033	1033	1033
65°	1223	1223	1223
70°	755	755	755
75°	998	998	998
80°	1488	1488	1488
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 6649 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	377.6	18.4
10°-20°	872.4	42.4
20°-30°	638.8	31.1
30°-40°	141.1	6.9
40°-50°	17.3	0.8
50°-60°	4.0	0.2
60°-70°	2.9	0.1
70°-80°	1.6	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°	1888.7	91.9
0°-40°	2029.9	98.7
0°-60°	2051.2	99.8
0°-90°	2055.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2055.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3972	3972	3972	3972	3972	
5°	3977	3974	3985	4013	4030	376
15°	3136	3119	3134	3210	3250	865
25°	1394	1393	1423	1413	1397	632
35°	170	179	205	179	165	134
45°	9	15	27	15	8	12
55°	4	4	4	4	4	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°	3972.5	3972.5	3972.5	3972.5	3972.5
1°	3975.5	3969.4	3967.9	3978.5	3986.1
2°	3978.5	3971.0	3972.5	3983.1	3987.6
3°	3975.5	3967.9	3975.5	3990.7	3996.7
4°	3974.0	3971.0	3978.5	3999.8	4010.4
5°	3977.0	3974.0	3984.6	4013.4	4030.1
6°	3972.5	3967.9	3983.1	4019.5	4043.7
7°	3961.9	3957.3	3974.0	4017.9	4045.2
8°	3933.1	3924.0	3940.6	3995.2	4028.6
9°	3881.5	3869.4	3886.1	3949.7	3989.1
10°	3814.8	3801.2	3811.8	3874.0	3917.9
11°	3719.4	3701.2	3713.3	3780.0	3837.6
12°	3598.1	3572.3	3587.5	3663.3	3704.2
13°	3466.3	3442.0	3445.0	3513.2	3570.8
14°	3302.6	3270.7	3284.4	3355.6	3401.1
15°	3135.8	3119.2	3134.3	3210.1	3249.5
17.5°	2753.9	2752.4	2766.0	2822.1	2843.3
20°	2358.3	2362.9	2382.6	2412.9	2415.9
22.5°	1890.0	1891.5	1912.7	1933.9	1929.4
25°	1394.4	1392.9	1423.2	1412.6	1397.4
27.5°	924.5	930.6	957.9	938.2	923.0
30°	571.4	583.5	597.2	572.9	553.2
32.5°	309.2	328.9	348.6	327.4	307.7
35°	169.8	178.8	204.6	178.8	165.2
37.5°	98.5	103.1	119.7	103.1	94.0
40°	54.6	62.1	69.7	62.1	53.0
42.5°	22.7	34.9	42.4	34.9	22.7
45°	9.1	15.2	27.3	15.2	7.6
47.5°	4.5	6.1	16.7	6.1	4.5
50°	4.5	4.5	9.1	4.5	4.5
52.5°	4.5	4.5	4.5	4.5	4.5
55°	4.5	4.5	4.5	4.5	4.5
57.5°	4.5	4.5	4.5	4.5	4.5
60°	3.0	3.0	3.0	4.5	3.0
62.5°	3.0	3.0	3.0	3.0	3.0
65°	3.0	3.0	3.0	3.0	3.0
67.5°	3.0	3.0	3.0	3.0	3.0
70°	1.5	1.5	1.5	3.0	1.5
72.5°	1.5	1.5	1.5	1.5	1.5
75°	1.5	1.5	1.5	1.5	1.5
77.5°	1.5	1.5	1.5	1.5	1.5
80°	1.5	1.5	1.5	1.5	1.5
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)