

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: P1315703

Luminaire Tested: P3SQAS20R459740D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315703
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: P3SQAS20R459740D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

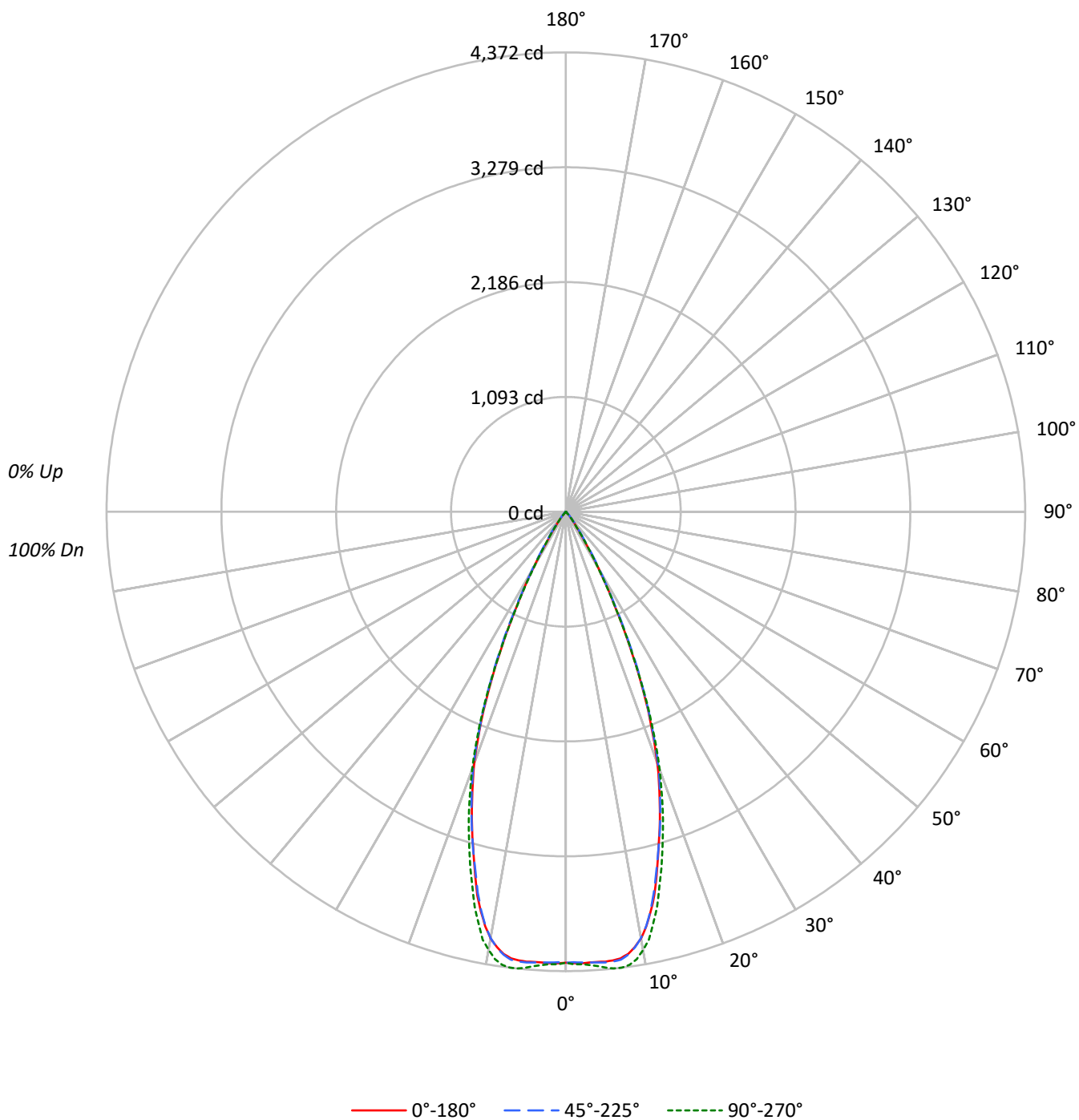
Lumens per Lamp: N/A
Luminaire Lumens: 2222.0 lumens
Efficiency: N/A
Efficacy: 77.2 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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		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°	739386	739386	739386
5°	743058	744475	752981
10°	721010	720433	740475
15°	604252	603967	626165
20°	467114	471916	478532
25°	286370	292280	286978
30°	122799	128348	118902
35°	38580	46485	37529
40°	13264	16929	12882
45°	2387	7185	1997
50°	1313	2626	1313
55°	1471	1471	1471
60°	1137	1137	1137
65°	1345	1345	1345
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: 7185 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	408.0	18.4
10°-20°	942.8	42.4
20°-30°	690.3	31.1
30°-40°	152.5	6.9
40°-50°	18.7	0.8
50°-60°	4.4	0.2
60°-70°	3.2	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°	2041.2	91.9
0°-40°	2193.7	98.7
0°-60°	2216.8	99.8
0°-90°	2222.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2222.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4293	4293	4293	4293	4293	
5°	4298	4295	4306	4337	4356	406
15°	3389	3371	3387	3469	3512	935
25°	1507	1505	1538	1527	1510	683
35°	184	193	221	193	178	145
45°	10	16	30	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°	4293.2	4293.2	4293.2	4293.2	4293.2
1°	4296.5	4289.9	4288.3	4299.8	4307.9
2°	4299.8	4291.6	4293.2	4304.7	4309.6
3°	4296.5	4288.3	4296.5	4312.9	4319.4
4°	4294.8	4291.6	4299.8	4322.7	4334.2
5°	4298.1	4294.8	4306.3	4337.4	4355.5
6°	4293.2	4288.3	4304.7	4344.0	4370.2
7°	4281.7	4276.8	4294.8	4342.3	4371.8
8°	4250.6	4240.8	4258.8	4317.8	4353.8
9°	4194.9	4181.8	4199.8	4268.6	4311.2
10°	4122.9	4108.1	4119.6	4186.7	4234.2
11°	4019.7	4000.0	4013.1	4085.2	4147.4
12°	3888.6	3860.8	3877.2	3959.1	4003.3
13°	3746.1	3719.9	3723.2	3796.9	3859.1
14°	3569.2	3534.8	3549.6	3626.5	3675.7
15°	3389.0	3371.0	3387.4	3469.3	3511.9
17.5°	2976.3	2974.6	2989.4	3050.0	3072.9
20°	2548.7	2553.6	2574.9	2607.7	2611.0
22.5°	2042.6	2044.2	2067.2	2090.1	2085.2
25°	1507.0	1505.3	1538.1	1526.6	1510.2
27.5°	999.2	1005.7	1035.2	1013.9	997.5
30°	617.5	630.6	645.4	619.2	597.9
32.5°	334.2	355.4	376.7	353.8	332.5
35°	183.5	193.3	221.1	193.3	178.5
37.5°	106.5	111.4	129.4	111.4	101.6
40°	59.0	67.2	75.3	67.2	57.3
42.5°	24.6	37.7	45.9	37.7	24.6
45°	9.8	16.4	29.5	16.4	8.2
47.5°	4.9	6.6	18.0	6.6	4.9
50°	4.9	4.9	9.8	4.9	4.9
52.5°	4.9	4.9	4.9	4.9	4.9
55°	4.9	4.9	4.9	4.9	4.9
57.5°	4.9	4.9	4.9	4.9	4.9
60°	3.3	3.3	3.3	4.9	3.3
62.5°	3.3	3.3	3.3	3.3	3.3
65°	3.3	3.3	3.3	3.3	3.3
67.5°	3.3	3.3	3.3	3.3	3.3
70°	1.6	1.6	1.6	3.3	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)