

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: P1312787

Luminaire Tested: P3SQAS20R459727D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312787
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: P3SQAS20R459727D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

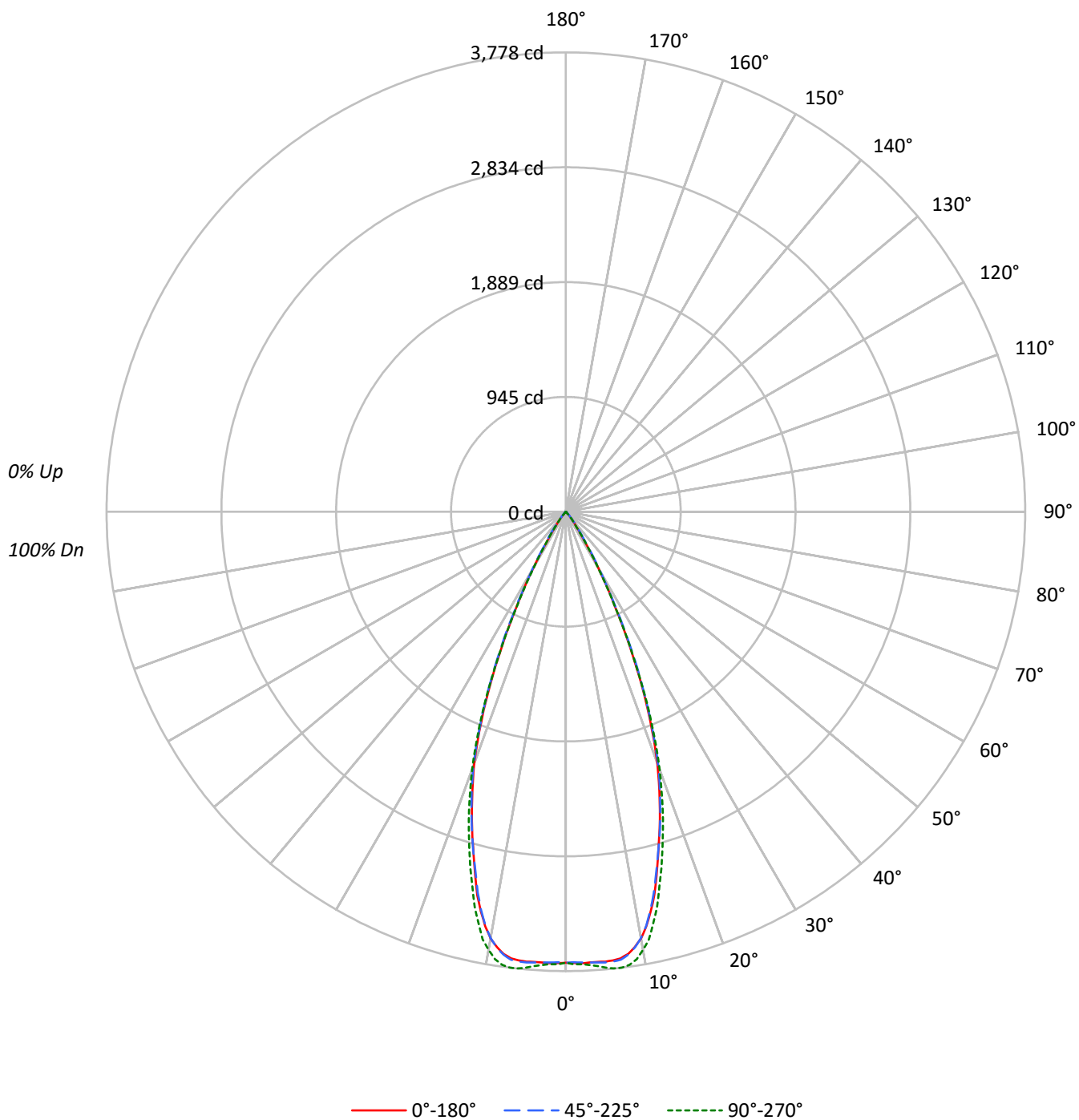
Lumens per Lamp: N/A
Luminaire Lumens: 1919.9 lumens
Efficiency: N/A
Efficacy: 66.7 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96		98	96	94		95	94	92	91
3	106	100	96	93	104	99	95	92	96	93	91		94	91	89		92	90	88	86
4	101	95	91	87	100	94	90	87	92	88	86		90	87	85		88	86	84	82
5	98	91	86	82	96	90	85	82	88	84	81		87	83	81		85	82	80	79
6	94	86	82	78	93	86	81	78	84	80	77		83	79	77		82	79	76	75
7	90	83	78	74	89	82	77	74	81	77	74		80	76	73		79	75	73	72
8	87	79	74	71	86	79	74	71	78	73	70		77	73	70		76	72	70	69
9	84	76	71	68	83	75	71	68	75	70	67		74	70	67		73	70	67	66
10	81	73	68	65	80	72	68	65	72	67	65		71	67	64		70	67	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	638894	638894	638894
5°	642061	643288	650636
10°	623008	622518	639831
15°	522128	521878	541063
20°	403628	407788	413488
25°	247434	252545	247985
30°	106115	110907	102734
35°	33324	40178	32441
40°	11466	14636	11129
45°	2070	6211	1729
50°	1125	2277	1125
55°	1261	1261	1261
60°	964	964	964
65°	1141	1141	1141
70°	705	705	705
75°	932	932	932
80°	1389	1389	1389
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 6211 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	352.6	18.4
10°-20°	814.7	42.4
20°-30°	596.5	31.1
30°-40°	131.8	6.9
40°-50°	16.2	0.8
50°-60°	3.8	0.2
60°-70°	2.7	0.1
70°-80°	1.5	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°	1763.8	91.9
0°-40°	1895.6	98.7
0°-60°	1915.5	99.8
0°-90°	1919.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1919.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3710	3710	3710	3710	3710	
5°	3714	3711	3721	3748	3764	351
15°	2928	2913	2927	2998	3035	808
25°	1302	1301	1329	1319	1305	590
35°	158	167	191	167	154	125
45°	8	14	26	14	7	11
55°	4	4	4	4	4	4
65°	3	3	3	3	3	3
75°	1	1	1	1	1	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°	3709.7	3709.7	3709.7	3709.7	3709.7
1°	3712.5	3706.9	3705.5	3715.4	3722.4
2°	3715.4	3708.3	3709.7	3719.6	3723.9
3°	3712.5	3705.5	3712.5	3726.7	3732.3
4°	3711.1	3708.3	3715.4	3735.2	3745.1
5°	3713.9	3711.1	3721.0	3747.9	3763.5
6°	3709.7	3705.5	3719.6	3753.6	3776.2
7°	3699.8	3695.5	3711.1	3752.2	3777.6
8°	3672.9	3664.4	3680.0	3730.9	3762.1
9°	3624.8	3613.5	3629.0	3688.5	3725.3
10°	3562.5	3549.8	3559.7	3617.7	3658.7
11°	3473.3	3456.3	3467.7	3529.9	3583.7
12°	3360.1	3336.0	3350.2	3421.0	3459.2
13°	3237.0	3214.3	3217.2	3280.8	3334.6
14°	3084.1	3054.4	3067.1	3133.6	3176.1
15°	2928.4	2912.8	2927.0	2997.8	3034.6
17.5°	2571.7	2570.3	2583.1	2635.4	2655.2
20°	2202.3	2206.6	2225.0	2253.3	2256.1
22.5°	1765.0	1766.4	1786.2	1806.0	1801.8
25°	1302.1	1300.7	1329.0	1319.1	1305.0
27.5°	863.4	869.0	894.5	876.1	862.0
30°	533.6	544.9	557.7	535.0	516.6
32.5°	288.7	307.1	325.5	305.7	287.3
35°	158.5	167.0	191.1	167.0	154.3
37.5°	92.0	96.2	111.8	96.2	87.8
40°	51.0	58.0	65.1	58.0	49.5
42.5°	21.2	32.6	39.6	32.6	21.2
45°	8.5	14.2	25.5	14.2	7.1
47.5°	4.2	5.7	15.6	5.7	4.2
50°	4.2	4.2	8.5	4.2	4.2
52.5°	4.2	4.2	4.2	4.2	4.2
55°	4.2	4.2	4.2	4.2	4.2
57.5°	4.2	4.2	4.2	4.2	4.2
60°	2.8	2.8	2.8	4.2	2.8
62.5°	2.8	2.8	2.8	2.8	2.8
65°	2.8	2.8	2.8	2.8	2.8
67.5°	2.8	2.8	2.8	2.8	2.8
70°	1.4	1.4	1.4	2.8	1.4
72.5°	1.4	1.4	1.4	1.4	1.4
75°	1.4	1.4	1.4	1.4	1.4
77.5°	1.4	1.4	1.4	1.4	1.4
80°	1.4	1.4	1.4	1.4	1.4
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)