

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: P1309474

Luminaire Tested: P3SQAS20R459035D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309474
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: P3SQAS20R459035D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 3500K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

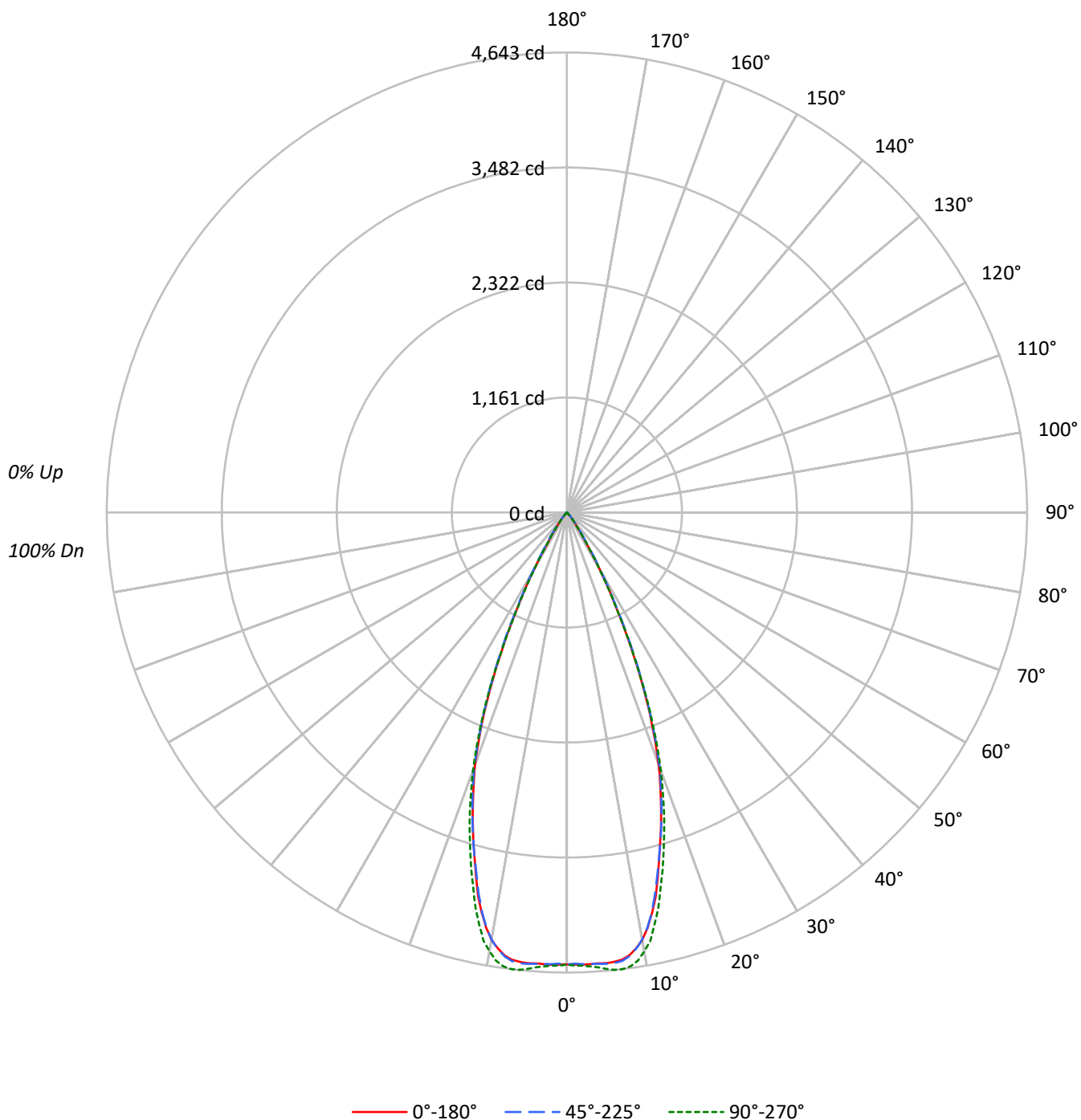
Lumens per Lamp: N/A
Luminaire Lumens: 2359.9 lumens
Efficiency: N/A
Efficacy: 81.9 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	785301	785301	785301
5°	789217	790721	799745
10°	765780	765168	786468
15°	641784	641481	665052
20°	496127	501240	508241
25°	304157	310428	304803
30°	130436	136322	126280
35°	40977	49387	39862
40°	14074	17986	13692
45°	2533	7623	2119
50°	1393	2786	1393
55°	1561	1561	1561
60°	1206	1206	1206
65°	1426	1426	1426
70°	856	856	856
75°	1131	1131	1131
80°	1686	1686	1686
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 7623 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	433.4	18.4
10°-20°	1001.4	42.4
20°-30°	733.2	31.1
30°-40°	162.0	6.9
40°-50°	19.9	0.8
50°-60°	4.7	0.2
60°-70°	3.4	0.1
70°-80°	1.9	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°	2168.0	91.9
0°-40°	2330.0	98.7
0°-60°	2354.5	99.8
0°-90°	2359.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2359.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4560	4560	4560	4560	4560	
5°	4565	4562	4574	4607	4626	431
15°	3600	3580	3598	3685	3730	993
25°	1601	1599	1634	1621	1604	725
35°	195	205	235	205	190	154
45°	10	17	31	17	9	14
55°	5	5	5	5	5	4
65°	4	4	4	4	4	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°	4559.8	4559.8	4559.8	4559.8	4559.8
1°	4563.3	4556.4	4554.6	4566.8	4575.5
2°	4566.8	4558.1	4559.8	4572.0	4577.2
3°	4563.3	4554.6	4563.3	4580.7	4587.7
4°	4561.6	4558.1	4566.8	4591.2	4603.3
5°	4565.1	4561.6	4573.8	4606.8	4626.0
6°	4559.8	4554.6	4572.0	4613.8	4641.6
7°	4547.7	4542.4	4561.6	4612.0	4643.3
8°	4514.6	4504.2	4523.3	4585.9	4624.2
9°	4455.5	4441.5	4460.7	4533.7	4579.0
10°	4378.9	4363.3	4375.4	4446.8	4497.2
11°	4269.3	4248.4	4262.3	4338.9	4405.0
12°	4130.1	4100.6	4117.9	4204.9	4251.9
13°	3978.8	3950.9	3954.4	4032.7	4098.8
14°	3790.9	3754.3	3770.0	3851.8	3904.0
15°	3599.5	3580.4	3597.8	3684.8	3730.0
17.5°	3161.1	3159.4	3175.0	3239.4	3263.7
20°	2707.0	2712.2	2734.9	2769.7	2773.1
22.5°	2169.4	2171.2	2195.5	2219.9	2214.7
25°	1600.6	1598.8	1633.6	1621.4	1604.0
27.5°	1061.2	1068.2	1099.5	1076.9	1059.5
30°	655.9	669.8	685.5	657.6	635.0
32.5°	354.9	377.5	400.1	375.8	353.2
35°	194.9	205.3	234.9	205.3	189.6
37.5°	113.1	118.3	137.4	118.3	107.9
40°	62.6	71.3	80.0	71.3	60.9
42.5°	26.1	40.0	48.7	40.0	26.1
45°	10.4	17.4	31.3	17.4	8.7
47.5°	5.2	7.0	19.1	7.0	5.2
50°	5.2	5.2	10.4	5.2	5.2
52.5°	5.2	5.2	5.2	5.2	5.2
55°	5.2	5.2	5.2	5.2	5.2
57.5°	5.2	5.2	5.2	5.2	5.2
60°	3.5	3.5	3.5	5.2	3.5
62.5°	3.5	3.5	3.5	3.5	3.5
65°	3.5	3.5	3.5	3.5	3.5
67.5°	3.5	3.5	3.5	3.5	3.5
70°	1.7	1.7	1.7	3.5	1.7
72.5°	1.7	1.7	1.7	1.7	1.7
75°	1.7	1.7	1.7	1.7	1.7
77.5°	1.7	1.7	1.7	1.7	1.7
80°	1.7	1.7	1.7	1.7	1.7
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)