

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: P1317429

Luminaire Tested: P3SQAS20R359830D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317429
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R359830D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

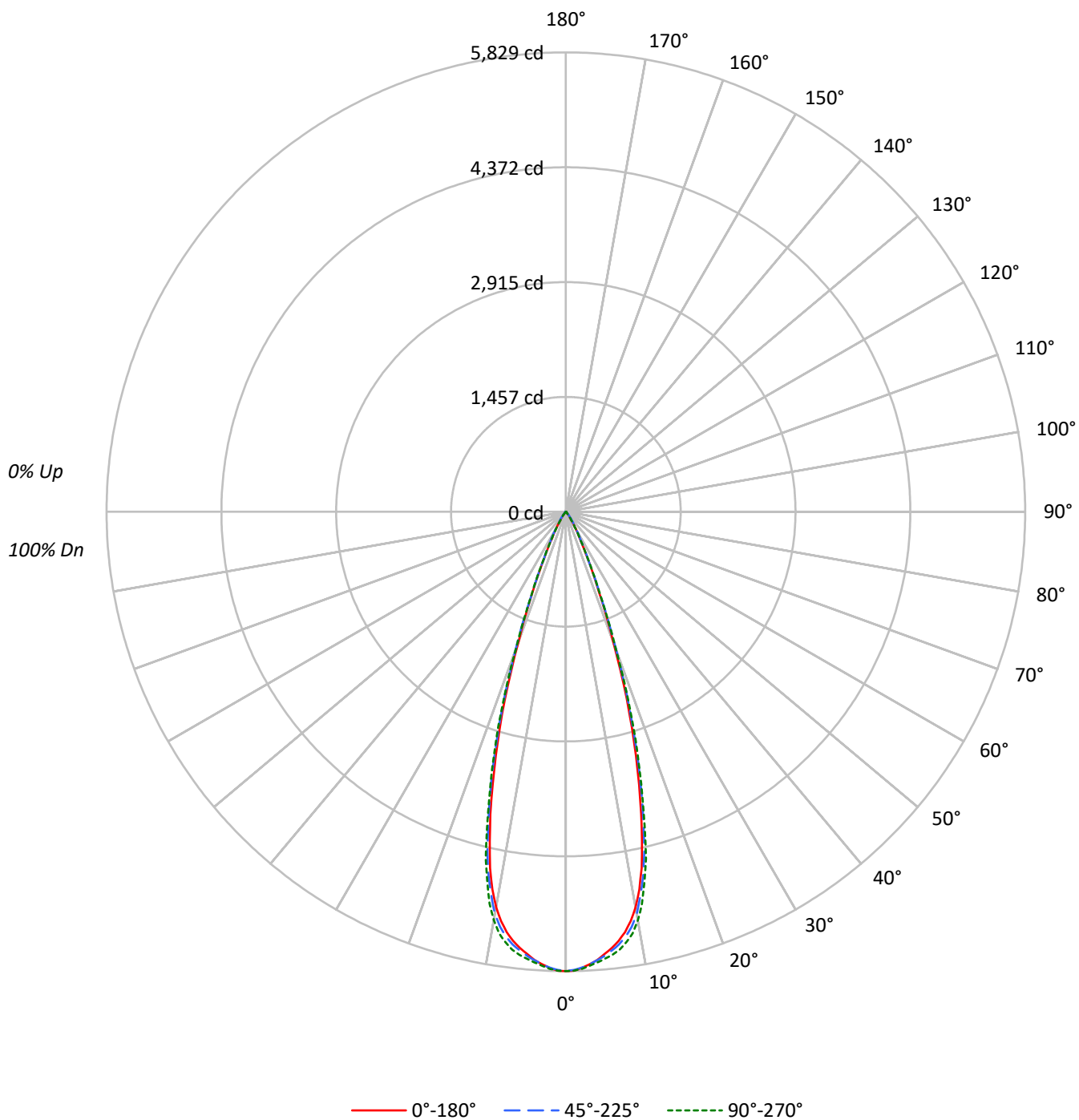
Lumens per Lamp: N/A
Luminaire Lumens: 1958.0 lumens
Efficiency: N/A
Efficacy: 71.5 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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	115	113	111	109	112	110	109	107	106	105	104		103	102	101		99	99	98	96
2	111	107	104	101	109	105	103	100	102	100	98		99	98	96		97	95	94	93
3	107	102	98	95	105	101	97	95	98	96	93		96	94	92		94	92	90	89
4	103	98	94	91	102	97	93	90	95	92	89		93	90	88		91	89	87	86
5	100	94	90	86	99	93	89	86	91	88	85		90	87	85		89	86	84	83
6	97	90	86	83	96	90	86	83	88	85	82		87	84	82		86	83	81	80
7	94	87	83	80	93	87	82	79	85	82	79		84	81	79		83	81	78	77
8	91	84	80	77	90	84	79	77	83	79	76		82	78	76		81	78	76	75
9	88	81	77	74	88	81	77	74	80	76	74		79	76	74		79	76	73	72
10	86	79	75	72	85	78	74	72	78	74	71		77	74	71		76	73	71	70

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1003886	1003886	1003886
5°	974164	977605	984209
10°	891116	906610	920513
15°	639644	663072	669883
20°	321758	340508	341351
25°	121940	125722	126292
30°	49518	56816	48623
35°	17997	27311	17345
40°	7554	11668	7217
45°	1851	4847	1851
50°	1232	2036	1232
55°	1381	1381	1381
60°	1584	1584	1584
65°	1263	1263	1263
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: 4847 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	527.0	26.9
10°-20°	981.8	50.1
20°-30°	353.1	18.0
30°-40°	74.2	3.8
40°-50°	12.8	0.7
50°-60°	4.2	0.2
60°-70°	3.1	0.2
70°-80°	1.6	0.1
80°-90°	0.3	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°	1861.9	95.1
0°-40°	1936.1	98.9
0°-60°	1953.1	99.8
0°-90°	1958.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1958.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5829	5829	5829	5829	5829	
5°	5635	5646	5655	5693	5693	522
15°	3588	3650	3719	3759	3757	955
25°	642	651	662	668	665	341
35°	86	101	130	99	82	65
45°	8	12	20	12	8	9
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	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5829.0	5829.0	5829.0	5829.0	5829.0
1°	5825.9	5825.9	5813.7	5827.5	5822.9
2°	5793.8	5796.9	5789.3	5806.1	5804.5
3°	5749.5	5757.2	5751.1	5775.5	5767.9
4°	5702.2	5708.3	5705.2	5735.8	5732.7
5°	5634.9	5645.6	5654.8	5693.0	5693.0
6°	5566.2	5576.9	5596.7	5638.0	5651.8
7°	5486.7	5500.5	5532.6	5587.6	5596.7
8°	5385.9	5401.2	5445.5	5505.1	5517.3
9°	5260.6	5283.5	5333.9	5405.8	5413.4
10°	5095.6	5113.9	5184.2	5243.8	5263.7
11°	4881.7	4897.0	4959.6	5055.9	5068.1
12°	4621.9	4640.3	4721.3	4783.9	4796.1
13°	4293.4	4328.6	4426.4	4487.5	4521.1
14°	3955.8	4003.1	4073.4	4160.5	4139.1
15°	3587.5	3650.2	3718.9	3758.7	3757.1
17.5°	2684.5	2721.2	2782.3	2805.3	2835.8
20°	1755.6	1802.9	1857.9	1879.3	1862.5
22.5°	1089.4	1101.6	1118.4	1127.6	1124.5
25°	641.7	650.9	661.6	667.7	664.6
27.5°	386.6	408.0	423.2	404.9	394.2
30°	249.0	258.2	285.7	261.3	244.5
32.5°	148.2	169.6	192.5	163.5	142.1
35°	85.6	100.8	129.9	99.3	82.5
37.5°	55.0	62.6	84.0	61.1	53.5
40°	33.6	42.8	51.9	39.7	32.1
42.5°	16.8	26.0	30.6	22.9	16.8
45°	7.6	12.2	19.9	12.2	7.6
47.5°	4.6	6.1	12.2	6.1	4.6
50°	4.6	4.6	7.6	4.6	4.6
52.5°	4.6	4.6	4.6	4.6	4.6
55°	4.6	4.6	4.6	4.6	4.6
57.5°	4.6	4.6	4.6	4.6	4.6
60°	4.6	4.6	4.6	4.6	4.6
62.5°	3.1	3.1	3.1	3.1	3.1
65°	3.1	3.1	3.1	3.1	3.1
67.5°	3.1	3.1	3.1	3.1	3.1
70°	1.5	1.5	1.5	1.5	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°	1.5	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)