

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: P1318331

Luminaire Tested: P3SQAS20R459835D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318331
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: P3SQAS20R459835D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 3500K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

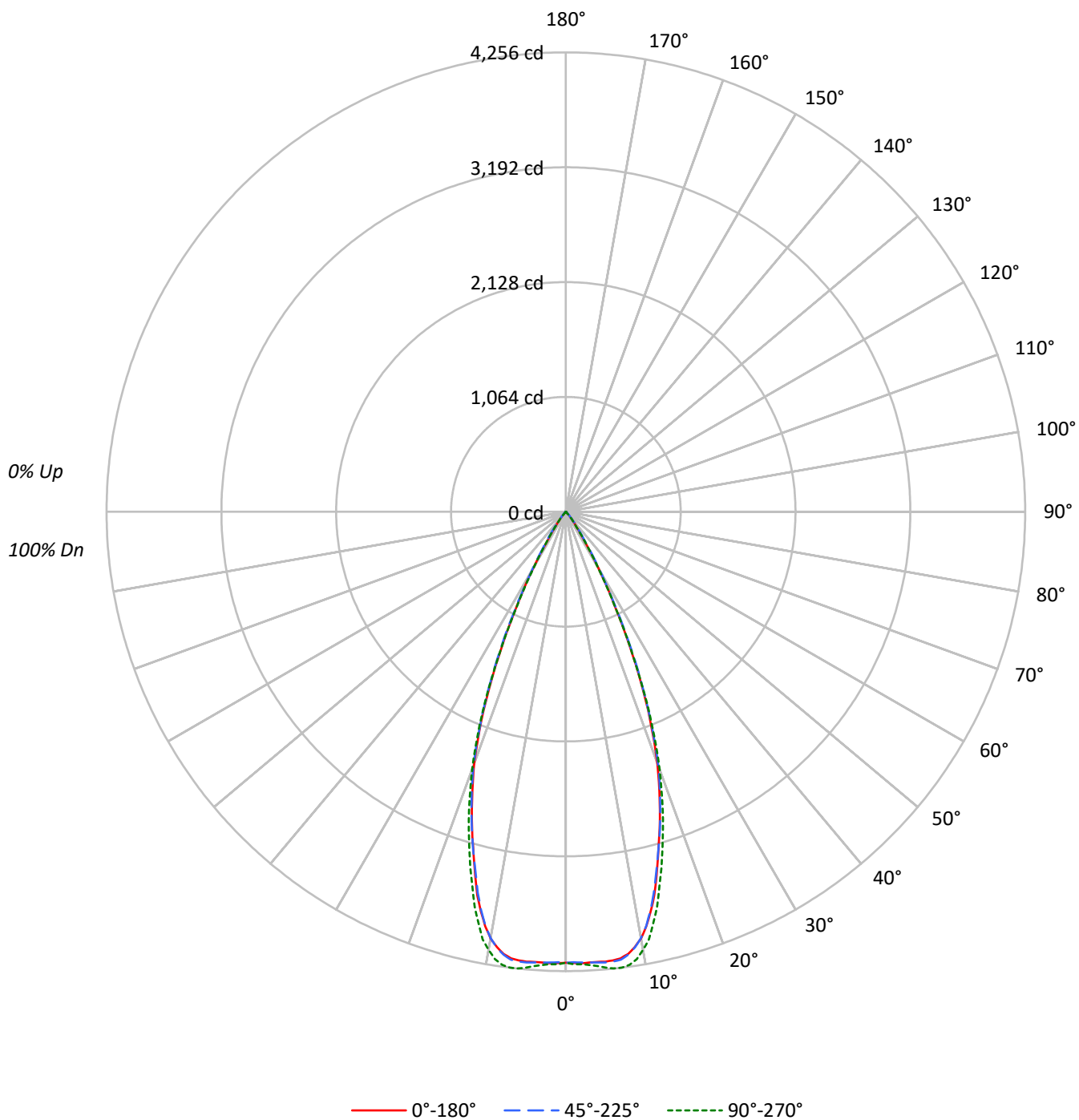
Lumens per Lamp: N/A
Luminaire Lumens: 2163.0 lumens
Efficiency: N/A
Efficacy: 78.9 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	719753	719753	719753
5°	723332	724715	732979
10°	701861	701302	720818
15°	588205	587920	609530
20°	454725	459398	465813
25°	278750	284508	279358
30°	119538	124927	115740
35°	37550	45266	36541
40°	12905	16479	12545
45°	2338	6990	1948
50°	1286	2572	1286
55°	1441	1441	1441
60°	1102	1102	1102
65°	1304	1304	1304
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: 6990 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	397.2	18.4
10°-20°	917.8	42.4
20°-30°	672.0	31.1
30°-40°	148.5	6.9
40°-50°	18.2	0.8
50°-60°	4.3	0.2
60°-70°	3.1	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°	1987.0	91.9
0°-40°	2135.5	98.7
0°-60°	2158.0	99.8
0°-90°	2163.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2163.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4179	4179	4179	4179	4179	
5°	4184	4181	4192	4222	4240	395
15°	3299	3282	3297	3377	3419	910
25°	1467	1465	1497	1486	1470	664
35°	179	188	215	188	174	141
45°	10	16	29	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°	4179.2	4179.2	4179.2	4179.2	4179.2
1°	4182.4	4176.0	4174.4	4185.6	4193.6
2°	4185.6	4177.6	4179.2	4190.4	4195.2
3°	4182.4	4174.4	4182.4	4198.3	4204.7
4°	4180.8	4177.6	4185.6	4207.9	4219.1
5°	4184.0	4180.8	4192.0	4222.3	4239.8
6°	4179.2	4174.4	4190.4	4228.6	4254.2
7°	4168.0	4163.3	4180.8	4227.0	4255.7
8°	4137.8	4128.2	4145.7	4203.1	4238.2
9°	4083.5	4070.8	4088.3	4155.3	4196.8
10°	4013.4	3999.0	4010.2	4075.6	4121.8
11°	3912.9	3893.8	3906.6	3976.7	4037.3
12°	3785.4	3758.3	3774.2	3853.9	3897.0
13°	3646.6	3621.1	3624.3	3696.1	3756.7
14°	3474.4	3441.0	3455.3	3530.2	3578.1
15°	3299.0	3281.5	3297.4	3377.2	3418.6
17.5°	2897.2	2895.6	2910.0	2969.0	2991.3
20°	2481.1	2485.8	2506.6	2538.5	2541.6
22.5°	1988.4	1989.9	2012.3	2034.6	2029.8
25°	1466.9	1465.4	1497.2	1486.1	1470.1
27.5°	972.7	979.0	1007.7	987.0	971.1
30°	601.1	613.9	628.2	602.7	582.0
32.5°	325.3	346.0	366.7	344.4	323.7
35°	178.6	188.2	215.3	188.2	173.8
37.5°	103.6	108.4	126.0	108.4	98.9
40°	57.4	65.4	73.3	65.4	55.8
42.5°	23.9	36.7	44.6	36.7	23.9
45°	9.6	15.9	28.7	15.9	8.0
47.5°	4.8	6.4	17.5	6.4	4.8
50°	4.8	4.8	9.6	4.8	4.8
52.5°	4.8	4.8	4.8	4.8	4.8
55°	4.8	4.8	4.8	4.8	4.8
57.5°	4.8	4.8	4.8	4.8	4.8
60°	3.2	3.2	3.2	4.8	3.2
62.5°	3.2	3.2	3.2	3.2	3.2
65°	3.2	3.2	3.2	3.2	3.2
67.5°	3.2	3.2	3.2	3.2	3.2
70°	1.6	1.6	1.6	3.2	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)