

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: P1307178

Luminaire Tested: P3SQAS20R259027D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307178
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-35)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R259027D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

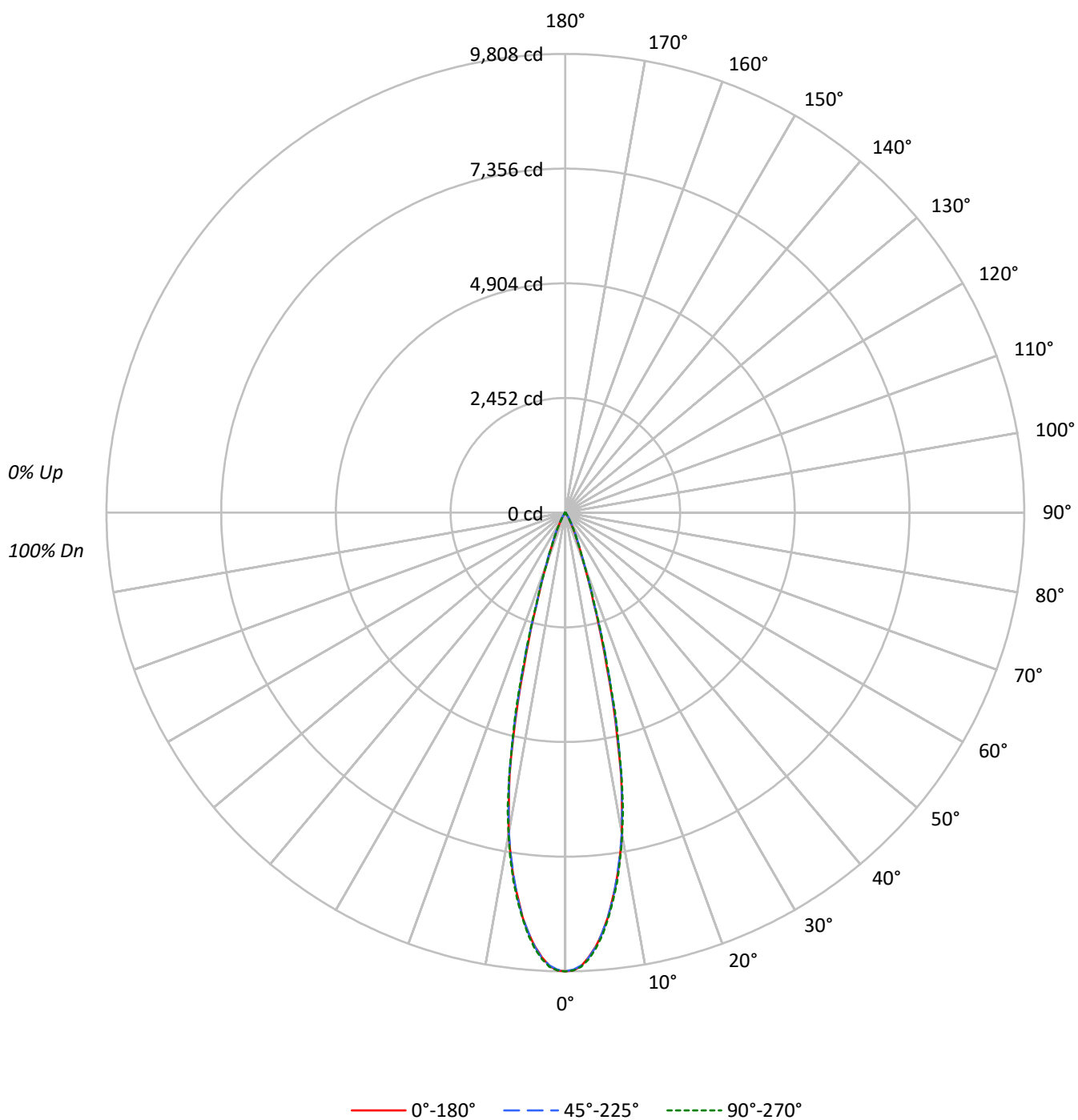
Lumens per Lamp: N/A
Luminaire Lumens: 2072.1 lumens
Efficiency: N/A
Efficacy: 71.9 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	115	113	111	110	113	111	109	108	107	106	105		103	102	102		100
2	112	108	105	103	110	107	104	102	103	101	100		101	99	97		98
3	108	104	100	98	107	103	99	97	100	98	95		98	96	94		96
4	105	100	96	93	104	99	96	93	97	94	92		95	93	91		94
5	102	97	93	90	101	96	92	90	94	91	89		93	90	88		91
6	100	94	90	87	98	93	89	87	92	88	86		90	88	86		89
7	97	91	87	84	96	90	87	84	89	86	84		88	85	83		87
8	95	88	84	82	94	88	84	82	87	84	81		86	83	81		85
9	92	86	82	80	91	86	82	79	85	82	79		84	81	79		83
10	90	84	80	78	89	84	80	77	83	80	77		82	79	77		82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1689160	1689160	1689160
5°	1560229	1559693	1568424
10°	1218770	1215465	1223736
15°	613131	638753	638182
20°	209795	215587	212105
25°	84315	94804	87906
30°	34225	40827	33290
35°	9966	17934	9966
40°	4609	7801	4609
45°	1534	3069	1534
50°	857	1259	857
55°	961	961	961
60°	1102	1102	1102
65°	652	652	652
70°	806	806	806
75°	1065	1065	1065
80°	0	1587	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3069 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	795.7	38.4
10°-20°	973.9	47.0
20°-30°	237.9	11.5
30°-40°	49.2	2.4
40°-50°	8.6	0.4
50°-60°	2.9	0.1
60°-70°	2.3	0.1
70°-80°	1.5	0.1
80°-90°	0.1	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°	2007.5	96.9
0°-40°	2056.7	99.3
0°-60°	2068.2	99.8
0°-90°	2072.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2072.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9808	9808	9808	9808	9808	
5°	9025	9033	9022	9041	9072	795
15°	3439	3497	3582	3598	3579	960
25°	444	464	499	470	463	227
35°	47	66	85	65	47	40
45°	6	10	13	10	6	6
55°	3	3	3	3	3	3
65°	2	3	2	2	2	2
75°	2	2	2	2	2	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°	9808.0	9808.0	9808.0	9808.0	9808.0
1°	9789.1	9776.5	9773.3	9774.9	9790.7
2°	9700.7	9692.8	9691.2	9695.9	9718.0
3°	9520.7	9530.2	9533.3	9549.1	9560.2
4°	9299.6	9318.6	9310.7	9329.6	9342.3
5°	9024.9	9032.8	9021.8	9040.7	9072.3
6°	8704.4	8676.0	8702.8	8710.7	8732.8
7°	8304.9	8311.3	8320.7	8330.2	8363.4
8°	7911.8	7892.8	7888.1	7932.3	7959.2
9°	7452.3	7455.5	7438.1	7488.7	7496.5
10°	6969.2	6929.7	6950.3	6989.7	6997.6
11°	6331.3	6320.3	6350.3	6411.9	6460.8
12°	5732.9	5739.2	5770.8	5791.4	5780.3
13°	4941.9	4989.3	5028.8	5049.3	5022.4
14°	4226.7	4226.7	4277.2	4285.1	4381.4
15°	3438.8	3497.2	3582.5	3598.3	3579.3
17.5°	1986.2	1994.1	2035.2	2033.6	2063.6
20°	1144.7	1155.7	1176.3	1171.5	1157.3
22.5°	688.4	712.1	761.0	721.6	710.5
25°	443.7	464.2	498.9	470.5	462.6
27.5°	277.9	292.1	318.9	293.7	281.0
30°	172.1	180.0	205.3	181.6	167.4
32.5°	93.2	113.7	134.2	113.7	93.2
35°	47.4	66.3	85.3	64.7	47.4
37.5°	31.6	37.9	55.3	36.3	31.6
40°	20.5	25.3	34.7	25.3	20.5
42.5°	11.1	15.8	18.9	17.4	11.1
45°	6.3	9.5	12.6	9.5	6.3
47.5°	4.7	4.7	7.9	4.7	3.2
50°	3.2	3.2	4.7	3.2	3.2
52.5°	3.2	3.2	3.2	3.2	3.2
55°	3.2	3.2	3.2	3.2	3.2
57.5°	3.2	3.2	3.2	3.2	3.2
60°	3.2	3.2	3.2	3.2	3.2
62.5°	3.2	3.2	3.2	3.2	3.2
65°	1.6	3.2	1.6	1.6	1.6
67.5°	1.6	1.6	1.6	1.6	1.6
70°	1.6	1.6	1.6	1.6	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°	0.0	0.0	1.6	0.0	0.0
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)