

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: P1317670

Luminaire Tested: P3SQAS05R209835DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317670
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R209835DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

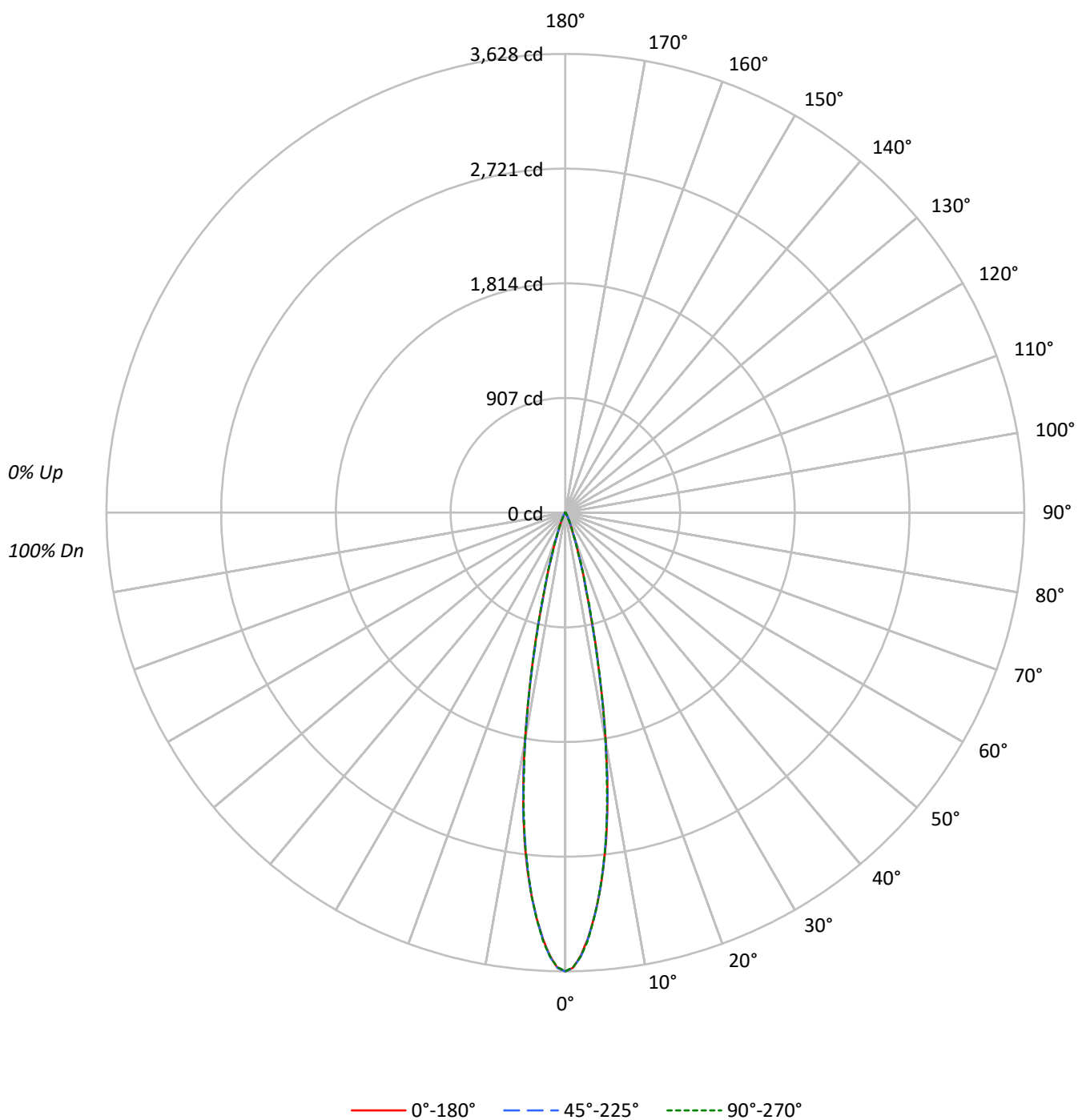
Lumens per Lamp: N/A
Luminaire Lumens: 500.0 lumens
Efficiency: N/A
Efficacy: 69.5 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	98	97	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	96	95	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	93	92	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	91	90	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	89	88	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	87	86	87
7	100	94	90	88	99	94	90	88	92	90	87	91	89	87	91	88	87	86	85	86
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	84	83	84
9	96	90	87	84	95	90	86	84	89	86	84	88	85	84	87	85	83	82	81	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	81	80	81

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	624875	624875	624875
5°	526680	526871	526611
10°	320939	319452	320204
15°	113059	113540	117053
20°	35519	36508	35739
25°	13302	14556	13682
30°	5151	7318	5389
35°	1955	3259	2123
40°	1034	1394	1034
45°	365	658	463
50°	214	322	214
55°	240	240	240
60°	138	138	138
65°	163	163	163
70°	201	201	201
75°	0	0	266
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 658 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.9	50.4
10°-20°	197.5	39.5
20°-30°	38.8	7.8
30°-40°	8.7	1.7
40°-50°	2.0	0.4
50°-60°	0.6	0.1
60°-70°	0.4	0.1
70°-80°	0.2	0.0
80°-90°	0.0	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°	488.1	97.6
0°-40°	496.8	99.4
0°-60°	499.5	99.9
0°-90°	500.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	500.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3628	3628	3628	3628	3628	
5°	3046	3049	3048	3058	3046	252
15°	634	637	637	651	656	197
25°	70	75	77	75	72	37
35°	9	11	16	11	10	7
45°	2	2	3	2	2	2
55°	1	1	1	1	1	1
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
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°	3628.3	3628.3	3628.3	3628.3	3628.3
1°	3598.9	3591.2	3600.1	3593.1	3594.6
2°	3505.7	3501.4	3513.0	3505.7	3509.5
3°	3376.1	3370.6	3379.2	3379.5	3390.4
4°	3221.3	3210.9	3223.6	3224.0	3226.0
5°	3046.5	3049.2	3047.6	3058.1	3046.1
6°	2849.9	2858.8	2847.2	2853.0	2836.4
7°	2630.2	2619.0	2613.2	2615.1	2626.7
8°	2387.7	2379.9	2388.4	2376.4	2368.3
9°	2118.0	2104.5	2113.8	2102.2	2090.6
10°	1835.2	1829.0	1826.7	1813.6	1831.0
11°	1551.7	1533.1	1542.4	1535.8	1554.8
12°	1286.3	1287.8	1269.7	1275.5	1277.8
13°	1046.8	1022.1	1025.2	1041.0	1043.7
14°	812.0	815.5	816.6	827.9	834.4
15°	634.1	636.8	636.8	650.7	656.5
17.5°	340.0	340.0	347.4	348.9	349.7
20°	193.8	195.0	199.2	198.8	195.0
22.5°	116.1	118.4	120.7	118.4	116.1
25°	70.0	74.7	76.6	75.4	72.0
27.5°	41.8	46.8	52.2	48.0	41.4
30°	25.9	28.6	36.8	29.4	27.1
32.5°	14.3	18.6	25.1	19.3	14.7
35°	9.3	11.2	15.5	11.2	10.1
37.5°	6.6	7.7	9.7	8.1	7.0
40°	4.6	5.4	6.2	5.8	4.6
42.5°	3.1	3.9	4.3	3.9	3.1
45°	1.5	2.3	2.7	2.3	1.9
47.5°	0.8	1.2	1.9	1.2	0.8
50°	0.8	0.8	1.2	0.8	0.8
52.5°	0.8	0.8	0.8	0.8	0.8
55°	0.8	0.8	0.8	0.8	0.8
57.5°	0.8	0.8	0.4	0.8	0.4
60°	0.4	0.4	0.4	0.4	0.4
62.5°	0.4	0.4	0.4	0.4	0.4
65°	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.4	0.4	0.4
75°	0.0	0.0	0.0	0.0	0.4
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	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)