

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: P1317086

Luminaire Tested: P3SQAS13R209830DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317086
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: P3SQAS13R209830DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

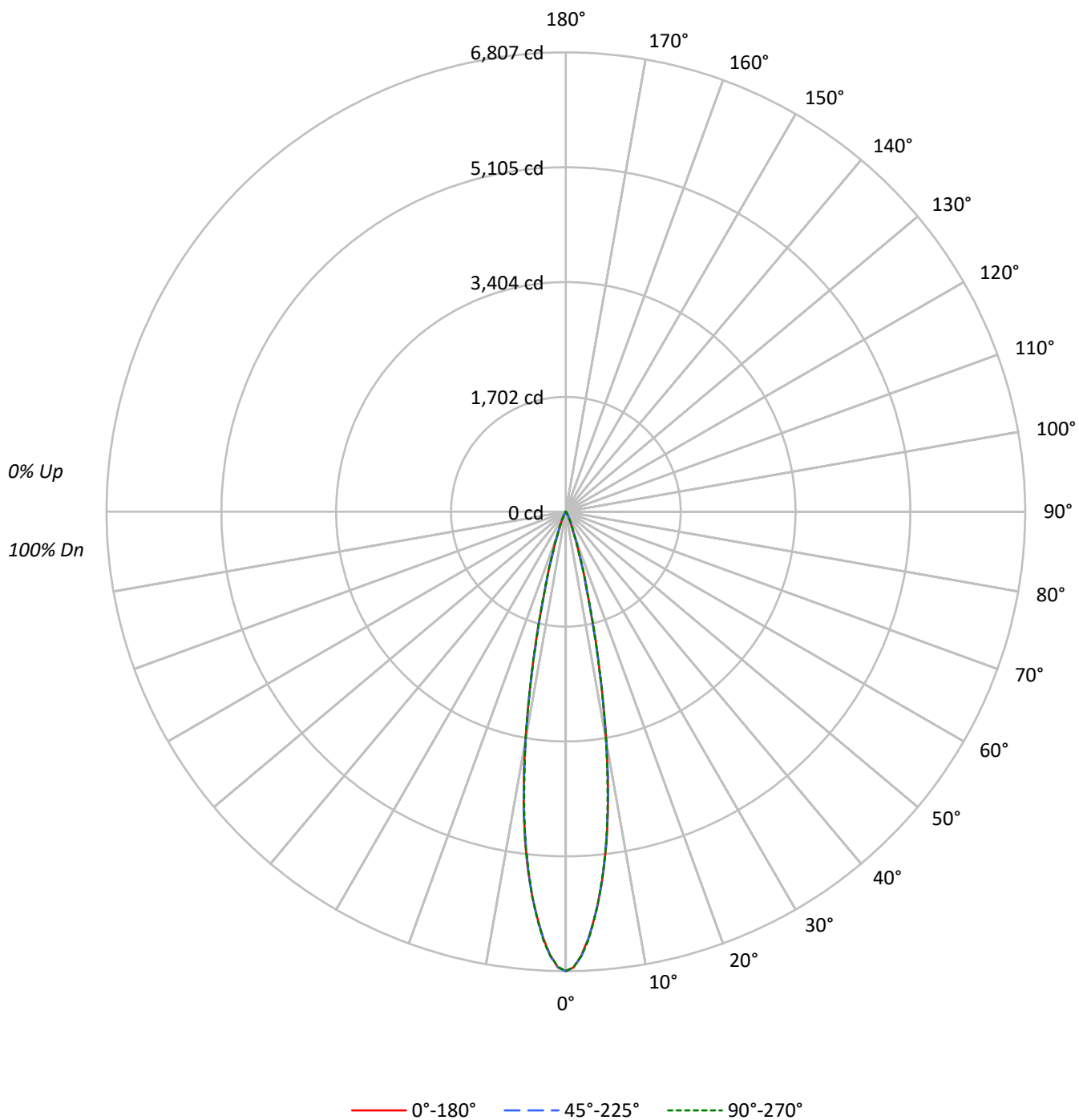
Lumens per Lamp: N/A
Luminaire Lumens: 938.0 lumens
Efficiency: N/A
Efficacy: 64.7 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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	100	100	100
1	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	98	98	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	95	95	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	93	93	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	91	91	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	89	89	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	87	87	87
7	100	94	90	88	99	94	90	88	92	90	87	91	89	87	91	88	87	86	86	86
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	84	84	84
9	96	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	83	83	83	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	81	81	81

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1172268	1172268	1172268
5°	988047	988410	987908
10°	602092	599294	600693
15°	212085	212995	219592
20°	66639	68508	67042
25°	24970	27307	25654
30°	9665	13702	10102
35°	3658	6097	3974
40°	1956	2608	1956
45°	706	1242	877
50°	402	589	402
55°	450	450	450
60°	241	241	241
65°	285	285	285
70°	352	352	352
75°	0	0	466
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1242 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	472.5	50.4
10°-20°	370.5	39.5
20°-30°	72.8	7.8
30°-40°	16.3	1.7
40°-50°	3.7	0.4
50°-60°	1.2	0.1
60°-70°	0.7	0.1
70°-80°	0.3	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°	915.8	97.6
0°-40°	932.1	99.4
0°-60°	937.0	99.9
0°-90°	938.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	938.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6807	6807	6807	6807	6807	
5°	5715	5720	5717	5737	5714	473
15°	1190	1195	1195	1221	1232	370
25°	131	140	144	142	135	69
35°	17	21	29	21	19	13
45°	3	4	5	4	4	3
55°	2	2	2	2	2	1
65°	1	1	1	1	1	1
75°	0	0	0	0	1	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°	6806.7	6806.7	6806.7	6806.7	6806.7
1°	6751.5	6737.0	6753.7	6740.6	6743.5
2°	6576.6	6568.6	6590.4	6576.6	6583.9
3°	6333.5	6323.3	6339.3	6340.0	6360.3
4°	6043.2	6023.6	6047.6	6048.3	6051.9
5°	5715.2	5720.2	5717.3	5736.9	5714.4
6°	5346.5	5363.2	5341.4	5352.3	5321.1
7°	4934.3	4913.2	4902.3	4906.0	4927.7
8°	4479.2	4464.7	4480.7	4458.2	4443.0
9°	3973.4	3948.0	3965.4	3943.6	3921.9
10°	3442.9	3431.3	3426.9	3402.2	3434.9
11°	2910.9	2876.1	2893.5	2881.2	2916.7
12°	2413.1	2416.0	2381.9	2392.8	2397.1
13°	1963.8	1917.4	1923.2	1953.0	1958.0
14°	1523.3	1529.9	1532.0	1553.1	1565.4
15°	1189.5	1194.6	1194.6	1220.7	1231.6
17.5°	637.9	637.9	651.7	654.6	656.1
20°	363.6	365.8	373.8	373.0	365.8
22.5°	217.7	222.1	226.4	222.1	217.7
25°	131.4	140.1	143.7	141.5	135.0
27.5°	78.4	87.8	98.0	90.0	77.7
30°	48.6	53.7	68.9	55.2	50.8
32.5°	26.9	34.8	47.2	36.3	27.6
35°	17.4	21.0	29.0	21.0	18.9
37.5°	12.3	14.5	18.1	15.2	13.1
40°	8.7	10.2	11.6	10.9	8.7
42.5°	5.8	7.3	8.0	7.3	5.8
45°	2.9	4.4	5.1	4.4	3.6
47.5°	1.5	2.2	3.6	2.2	1.5
50°	1.5	1.5	2.2	1.5	1.5
52.5°	1.5	1.5	1.5	1.5	1.5
55°	1.5	1.5	1.5	1.5	1.5
57.5°	1.5	1.5	0.7	1.5	0.7
60°	0.7	0.7	0.7	0.7	0.7
62.5°	0.7	0.7	0.7	0.7	0.7
65°	0.7	0.7	0.7	0.7	0.7
67.5°	0.7	0.7	0.7	0.7	0.7
70°	0.7	0.7	0.7	0.7	0.7
72.5°	0.7	0.7	0.7	0.7	0.7
75°	0.0	0.0	0.0	0.0	0.7
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)