

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: P1316502

Luminaire Tested: P3SQAS20R209827D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316502
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: P3SQAS20R209827D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

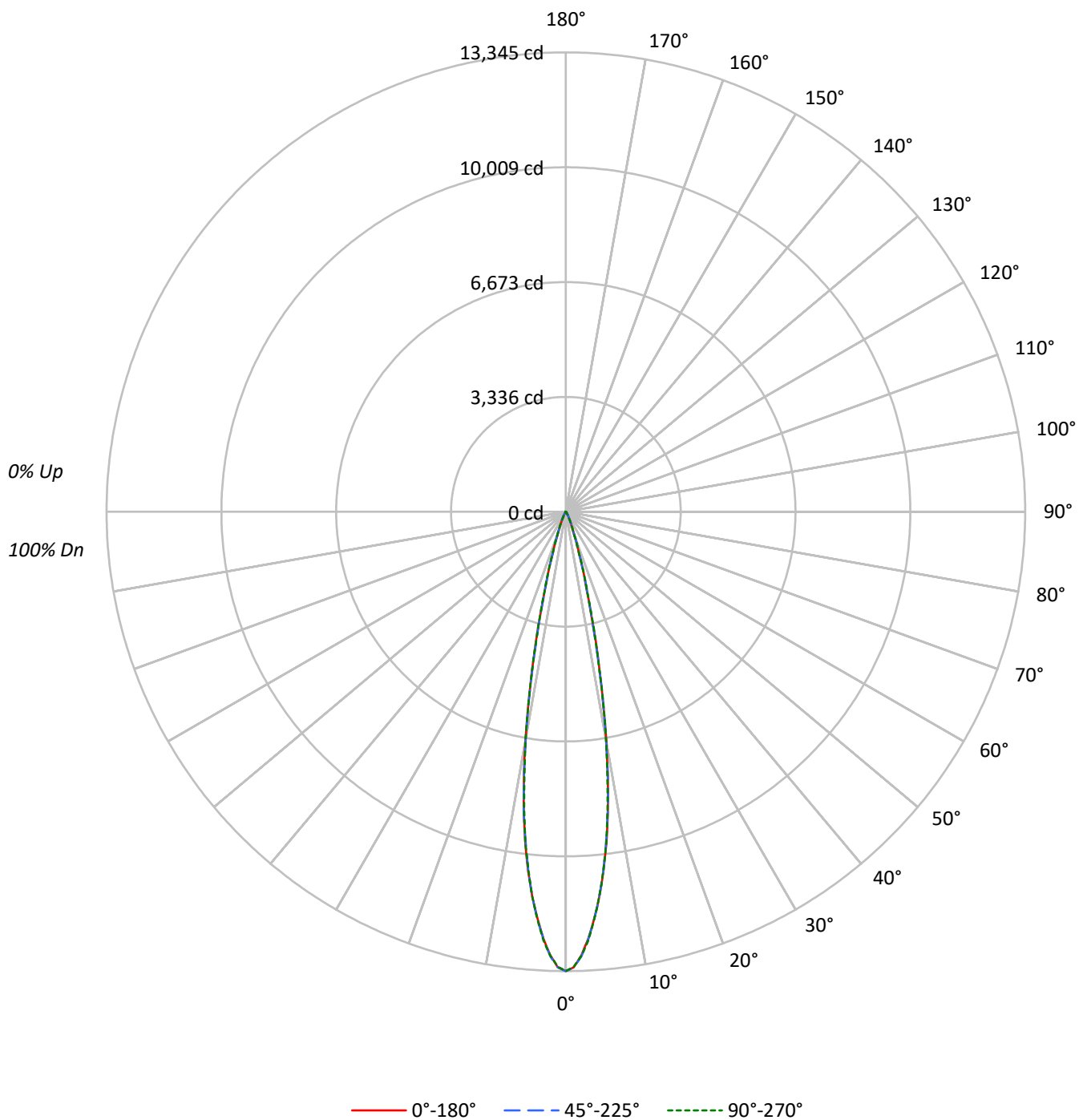
Lumens per Lamp: N/A
Luminaire Lumens: 1838.9 lumens
Efficiency: N/A
Efficacy: 67.1 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	116	114	112	110	113	111	110	109	108	106	105		104	103	102		101
2	112	109	106	104	110	107	105	103	104	102	101		102	100	99		99
3	109	105	102	100	108	104	101	99	102	99	97		99	97	96		97
4	107	102	98	96	105	101	98	95	99	96	94		97	95	93		96
5	104	99	95	93	103	98	95	92	97	94	92		95	93	91		94
6	102	96	93	90	101	96	92	90	94	92	89		93	91	89		92
7	100	94	90	88	99	94	90	88	92	90	87		92	89	87		91
8	97	92	88	86	97	91	88	86	91	88	86		90	87	85		89
9	96	90	87	84	95	90	86	84	89	86	84		88	86	84		88
10	94	88	85	83	93	88	85	82	87	84	82		87	84	82		86

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2298294	2298294	2298294
5°	1937109	1937852	1936867
10°	1180436	1174963	1177691
15°	415791	417574	430518
20°	130639	134304	131427
25°	48932	53531	50281
30°	18952	26887	19807
35°	7169	11963	7779
40°	3844	5126	3844
45°	1388	2436	1729
50°	750	1152	750
55°	841	841	841
60°	482	482	482
65°	571	571	571
70°	705	705	705
75°	0	0	932
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2436 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	926.4	50.4
10°-20°	726.4	39.5
20°-30°	142.6	7.8
30°-40°	32.0	1.7
40°-50°	7.3	0.4
50°-60°	2.3	0.1
60°-70°	1.4	0.1
70°-80°	0.6	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°	1795.4	97.6
0°-40°	1827.4	99.4
0°-60°	1836.9	99.9
0°-90°	1838.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1838.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13345	13345	13345	13345	13345	
5°	11205	11215	11209	11248	11204	928
15°	2332	2342	2342	2393	2415	725
25°	258	275	282	278	265	136
35°	34	41	57	41	37	25
45°	6	8	10	8	7	6
55°	3	3	3	3	3	2
65°	1	1	1	1	1	1
75°	0	0	0	0	1	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°	13344.9	13344.9	13344.9	13344.9	13344.9
1°	13236.7	13208.3	13241.0	13215.4	13221.1
2°	12893.8	12878.2	12920.9	12893.8	12908.0
3°	12417.2	12397.2	12428.5	12430.0	12469.8
4°	11848.0	11809.6	11856.6	11858.0	11865.1
5°	11204.9	11214.9	11209.2	11247.6	11203.5
6°	10482.1	10514.8	10472.1	10493.5	10432.3
7°	9673.9	9632.7	9611.3	9618.4	9661.1
8°	8781.8	8753.3	8784.6	8740.5	8710.7
9°	7790.1	7740.3	7774.4	7731.7	7689.1
10°	6750.0	6727.2	6718.7	6670.3	6734.3
11°	5707.0	5638.7	5672.9	5648.7	5718.4
12°	4731.0	4736.6	4669.8	4691.1	4699.7
13°	3850.2	3759.2	3770.5	3828.9	3838.8
14°	2986.6	2999.4	3003.6	3044.9	3069.1
15°	2332.0	2342.0	2342.0	2393.2	2414.6
17.5°	1250.7	1250.7	1277.7	1283.4	1286.3
20°	712.8	717.1	732.8	731.3	717.1
22.5°	426.9	435.4	443.9	435.4	426.9
25°	257.5	274.6	281.7	277.5	264.6
27.5°	153.7	172.2	192.1	176.4	152.2
30°	95.3	105.3	135.2	108.1	99.6
32.5°	52.6	68.3	92.5	71.1	54.1
35°	34.1	41.3	56.9	41.3	37.0
37.5°	24.2	28.5	35.6	29.9	25.6
40°	17.1	19.9	22.8	21.3	17.1
42.5°	11.4	14.2	15.7	14.2	11.4
45°	5.7	8.5	10.0	8.5	7.1
47.5°	2.8	4.3	7.1	4.3	2.8
50°	2.8	2.8	4.3	2.8	2.8
52.5°	2.8	2.8	2.8	2.8	2.8
55°	2.8	2.8	2.8	2.8	2.8
57.5°	2.8	2.8	1.4	2.8	1.4
60°	1.4	1.4	1.4	1.4	1.4
62.5°	1.4	1.4	1.4	1.4	1.4
65°	1.4	1.4	1.4	1.4	1.4
67.5°	1.4	1.4	1.4	1.4	1.4
70°	1.4	1.4	1.4	1.4	1.4
72.5°	1.4	1.4	1.4	1.4	1.4
75°	0.0	0.0	0.0	0.0	1.4
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)