

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: P1318238

Luminaire Tested: P3SQAS20R159835D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318238
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R159835D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 98CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

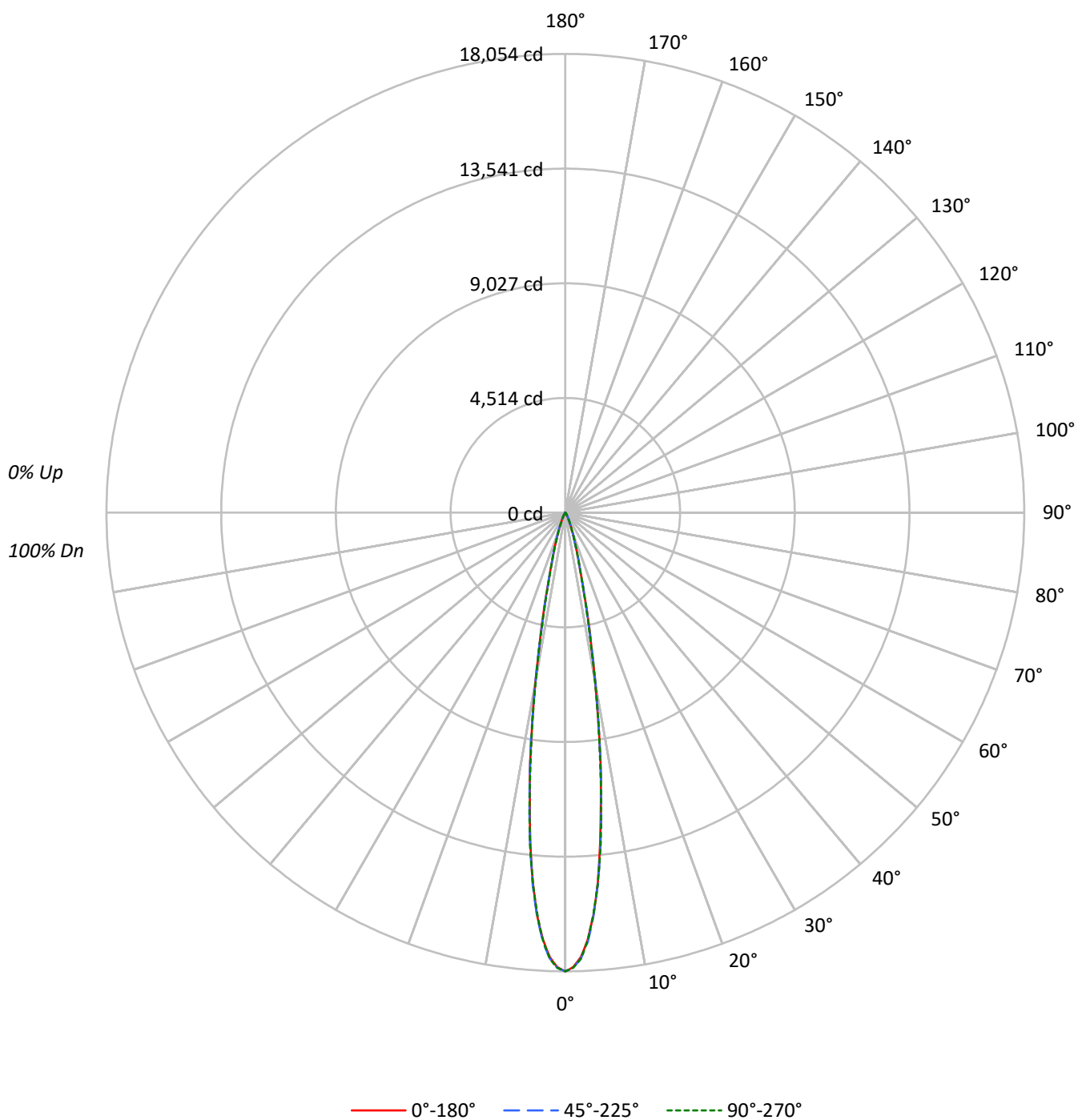
Lumens per Lamp: N/A
Luminaire Lumens: 2015.0 lumens
Efficiency: N/A
Efficacy: 73.5 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3109359	3109359	3109359
5°	2531593	2539874	2534912
10°	1180926	1191524	1176467
15°	370842	373962	371698
20°	146932	152760	142258
25°	59364	71773	57236
30°	23764	32654	22512
35°	7043	14402	6707
40°	2158	5373	1799
45°	390	1169	390
50°	0	429	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1169 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1130.4	56.1
10°-20°	676.0	33.6
20°-30°	170.5	8.5
30°-40°	34.8	1.7
40°-50°	3.2	0.2
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	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°	1976.9	98.1
0°-40°	2011.7	99.8
0°-60°	2015.0	100.0
0°-90°	2015.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2015.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18054	18054	18054	18054	18054	
5°	14644	14616	14692	14655	14663	1127
15°	2080	2097	2097	2067	2085	676
25°	312	341	378	335	301	161
35°	34	45	68	43	32	28
45°	2	3	5	3	2	2
55°	0	0	0	0	0	0
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	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	18054.3	18054.3	18054.3	18054.3	18054.3
1°	17891.8	17952.3	17920.5	17946.0	17917.3
2°	17504.5	17585.8	17560.3	17552.3	17574.6
3°	16822.3	16916.4	16913.2	16889.3	16851.0
4°	15891.6	15853.3	15912.3	15905.9	15840.6
5°	14643.6	14616.5	14691.5	14654.8	14662.8
6°	13116.8	13234.7	13209.2	13212.4	13242.7
7°	11476.8	11540.6	11594.7	11639.4	11577.2
8°	9970.7	9954.7	9959.5	10010.5	9838.4
9°	8284.5	8383.3	8319.5	8217.5	8282.9
10°	6752.8	6813.4	6813.4	6724.2	6727.3
11°	5383.8	5433.2	5398.1	5420.4	5280.2
12°	4339.9	4217.1	4188.5	4210.8	4209.2
13°	3313.5	3321.4	3313.5	3311.9	3295.9
14°	2597.9	2639.3	2621.8	2578.7	2559.6
15°	2079.9	2097.4	2097.4	2067.1	2084.7
17.5°	1249.5	1270.2	1275.0	1254.3	1254.3
20°	801.7	811.2	833.5	803.3	776.2
22.5°	494.1	514.8	553.0	508.4	486.1
25°	312.4	341.1	377.7	334.7	301.2
27.5°	196.0	219.9	251.8	210.4	189.7
30°	119.5	135.5	164.2	132.3	113.2
32.5°	66.9	79.7	103.6	76.5	63.8
35°	33.5	44.6	68.5	43.0	31.9
37.5°	19.1	23.9	43.0	20.7	17.5
40°	9.6	12.8	23.9	12.8	8.0
42.5°	3.2	6.4	9.6	6.4	3.2
45°	1.6	3.2	4.8	3.2	1.6
47.5°	0.0	0.0	1.6	0.0	0.0
50°	0.0	0.0	1.6	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
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)