

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: P1317541

Luminaire Tested: P3SQAS02R259835DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317541
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: P3SQAS02R259835DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

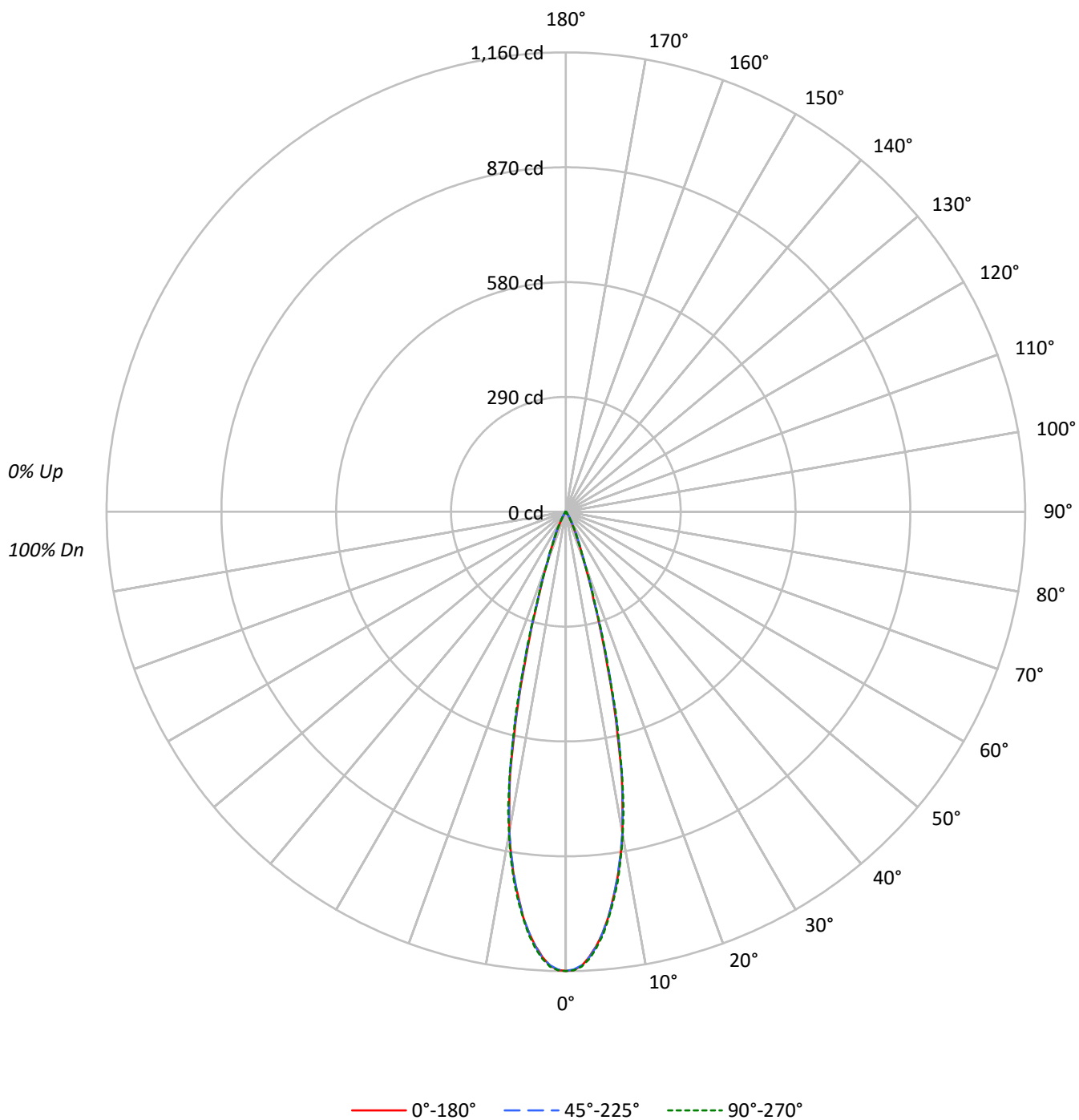
Lumens per Lamp: N/A
Luminaire Lumens: 245.1 lumens
Efficiency: N/A
Efficacy: 68.1 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	106	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	83	80	77	83	80	77		82	79	77		82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	199727	199727	199727
5°	184481	184429	185449
10°	144118	143716	144695
15°	72496	75527	75456
20°	24816	25494	25072
25°	9976	11212	10394
30°	4037	4832	3938
35°	1177	2123	1177
40°	540	922	540
45°	170	365	170
50°	107	161	107
55°	120	120	120
60°	138	138	138
65°	82	82	82
70°	101	101	101
75°	133	133	133
80°	0	198	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 365 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.1	38.4
10°-20°	115.2	47.0
20°-30°	28.1	11.5
30°-40°	5.8	2.4
40°-50°	1.0	0.4
50°-60°	0.4	0.1
60°-70°	0.3	0.1
70°-80°	0.2	0.1
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°	237.4	96.9
0°-40°	243.2	99.2
0°-60°	244.6	99.8
0°-90°	245.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	245.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1160	1160	1160	1160	1160	
5°	1067	1068	1067	1069	1073	94
15°	407	414	424	426	423	114
25°	52	55	59	56	55	27
35°	6	8	10	8	6	5
45°	1	1	2	1	1	1
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1159.7	1159.7	1159.7	1159.7	1159.7
1°	1157.5	1156.0	1155.6	1155.8	1157.7
2°	1147.0	1146.1	1145.9	1146.5	1149.1
3°	1125.8	1126.9	1127.2	1129.1	1130.4
4°	1099.6	1101.9	1100.9	1103.2	1104.7
5°	1067.1	1068.1	1066.8	1069.0	1072.7
6°	1029.2	1025.9	1029.0	1030.0	1032.6
7°	982.0	982.7	983.9	985.0	988.9
8°	935.5	933.3	932.7	937.9	941.1
9°	881.2	881.6	879.5	885.5	886.4
10°	824.1	819.4	821.8	826.5	827.4
11°	748.6	747.3	750.9	758.2	763.9
12°	677.9	678.6	682.4	684.8	683.5
13°	584.3	589.9	594.6	597.0	593.9
14°	499.8	499.8	505.8	506.7	518.1
15°	406.6	413.5	423.6	425.5	423.2
17.5°	234.9	235.8	240.6	240.5	244.0
20°	135.4	136.7	139.1	138.5	136.8
22.5°	81.4	84.2	90.0	85.3	84.0
25°	52.5	54.9	59.0	55.6	54.7
27.5°	32.9	34.5	37.7	34.7	33.2
30°	20.3	21.3	24.3	21.5	19.8
32.5°	11.0	13.4	15.9	13.4	11.0
35°	5.6	7.8	10.1	7.7	5.6
37.5°	3.7	4.5	6.5	4.3	3.7
40°	2.4	3.0	4.1	3.0	2.4
42.5°	1.3	1.9	2.2	2.1	1.3
45°	0.7	1.1	1.5	1.1	0.7
47.5°	0.6	0.6	0.9	0.6	0.4
50°	0.4	0.4	0.6	0.4	0.4
52.5°	0.4	0.4	0.4	0.4	0.4
55°	0.4	0.4	0.4	0.4	0.4
57.5°	0.4	0.4	0.4	0.4	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°	0.2	0.4	0.2	0.2	0.2
67.5°	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2
80°	0.0	0.0	0.2	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)