

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: P1305410

Luminaire Tested: P3SQAS02R259024DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305410
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: P3SQAS02R259024DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2400K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

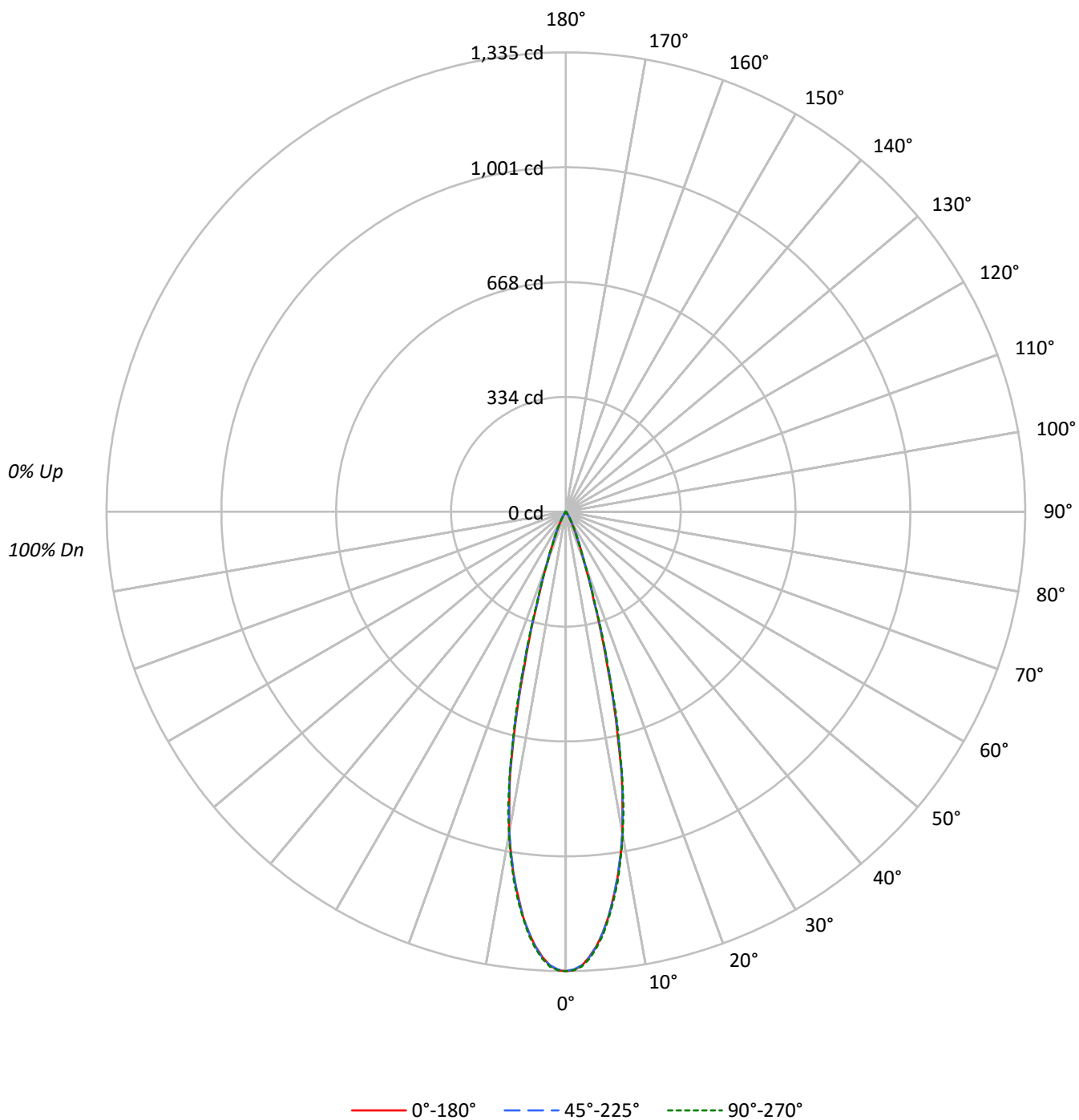
Lumens per Lamp: N/A
Luminaire Lumens: 281.9 lumens
Efficiency: N/A
Efficacy: 78.3 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	107	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	89	86		91	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	80	85	82	79		84	81	79		83
10	90	84	80	78	89	84	80	78	83	80	77		82	79	77		82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	229900	229900	229900
5°	212349	212280	213456
10°	165873	165418	166555
15°	83443	86938	86849
20°	28554	29342	28866
25°	11478	12903	11972
30°	4653	5548	4534
35°	1346	2439	1346
40°	629	1057	629
45°	219	414	219
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: 414 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.3	38.4
10°-20°	132.6	47.0
20°-30°	32.4	11.5
30°-40°	6.7	2.4
40°-50°	1.2	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°	273.2	96.9
0°-40°	279.9	99.3
0°-60°	281.4	99.8
0°-90°	281.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	281.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1335	1335	1335	1335	1335	
5°	1228	1229	1228	1230	1235	108
15°	468	476	488	490	487	131
25°	60	63	68	64	63	31
35°	6	9	12	9	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°	1334.9	1334.9	1334.9	1334.9	1334.9
1°	1332.3	1330.6	1330.2	1330.4	1332.5
2°	1320.3	1319.2	1319.0	1319.6	1322.6
3°	1295.8	1297.1	1297.5	1299.6	1301.1
4°	1265.7	1268.3	1267.2	1269.8	1271.5
5°	1228.3	1229.4	1227.9	1230.4	1234.7
6°	1184.7	1180.8	1184.5	1185.5	1188.5
7°	1130.3	1131.2	1132.5	1133.7	1138.3
8°	1076.8	1074.2	1073.6	1079.6	1083.2
9°	1014.3	1014.7	1012.3	1019.2	1020.3
10°	948.5	943.1	945.9	951.3	952.4
11°	861.7	860.2	864.3	872.7	879.3
12°	780.3	781.1	785.4	788.2	786.7
13°	672.6	679.0	684.4	687.2	683.6
14°	575.3	575.3	582.1	583.2	596.3
15°	468.0	476.0	487.6	489.7	487.1
17.5°	270.3	271.4	277.0	276.8	280.9
20°	155.8	157.3	160.1	159.4	157.5
22.5°	93.7	96.9	103.6	98.2	96.7
25°	60.4	63.2	67.9	64.0	63.0
27.5°	37.8	39.8	43.4	40.0	38.2
30°	23.4	24.5	27.9	24.7	22.8
32.5°	12.7	15.5	18.3	15.5	12.7
35°	6.4	9.0	11.6	8.8	6.4
37.5°	4.3	5.2	7.5	4.9	4.3
40°	2.8	3.4	4.7	3.4	2.8
42.5°	1.5	2.1	2.6	2.4	1.5
45°	0.9	1.3	1.7	1.3	0.9
47.5°	0.6	0.6	1.1	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)