

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: P1308459

Luminaire Tested: P3SQAS24R309030D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308459
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R309030D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

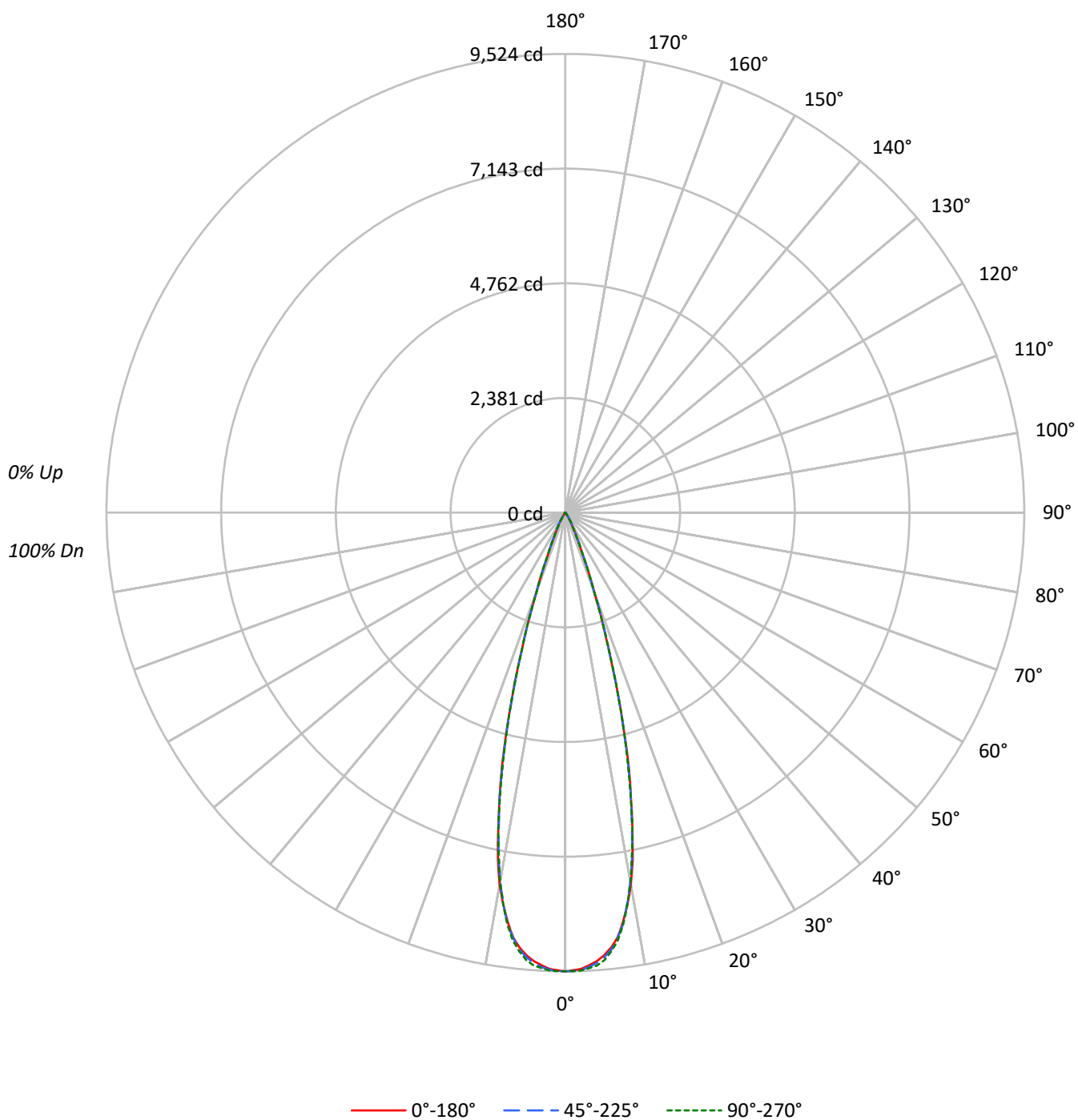
Lumens per Lamp: N/A
Luminaire Lumens: 2477.0 lumens
Efficiency: N/A
Efficacy: 86.0 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	99	98
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	93	92
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	90	89
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	87	86
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	84	83
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	83	82	81
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	81	80	79
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	78	77	76
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	76	75	74
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	74	73	72

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1640248	1640248	1640248
5°	1595307	1602257	1612163
10°	1371807	1360107	1361454
15°	842922	836111	836788
20°	320805	321502	315545
25°	102044	107479	102405
30°	41046	50929	42179
35°	13266	22496	13266
40°	6025	9892	6025
45°	2338	4189	2338
50°	1018	2036	1018
55°	1141	1141	1141
60°	1309	1309	1309
65°	774	774	774
70°	957	957	957
75°	1264	1264	1264
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 4189 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	840.1	33.9
10°-20°	1246.3	50.3
20°-30°	309.6	12.5
30°-40°	61.8	2.5
40°-50°	11.3	0.5
50°-60°	3.5	0.1
60°-70°	2.6	0.1
70°-80°	1.8	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°	2396.0	96.7
0°-40°	2457.9	99.2
0°-60°	2472.6	99.8
0°-90°	2477.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2477.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9524	9524	9524	9524	9524	
5°	9228	9258	9268	9281	9325	839
15°	4728	4737	4689	4705	4693	1251
25°	537	548	566	558	539	301
35°	63	82	107	80	63	51
45°	10	12	17	13	10	8
55°	4	4	4	4	4	3
65°	2	2	2	2	2	3
75°	2	2	2	2	2	2
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°	9524.0	9524.0	9524.0	9524.0	9524.0
1°	9503.0	9514.5	9522.1	9522.1	9522.1
2°	9476.3	9483.9	9495.4	9497.3	9512.6
3°	9413.2	9430.4	9449.5	9461.0	9468.6
4°	9336.8	9359.7	9371.2	9399.8	9424.7
5°	9227.8	9258.4	9268.0	9281.3	9325.3
6°	9080.7	9103.6	9122.7	9128.5	9155.2
7°	8885.8	8897.2	8893.4	8903.0	8950.8
8°	8589.6	8593.4	8625.9	8604.9	8637.4
9°	8238.0	8222.7	8215.0	8230.3	8232.2
10°	7844.3	7792.7	7777.4	7764.1	7785.1
11°	7334.1	7267.2	7273.0	7269.1	7238.6
12°	6699.7	6692.0	6642.4	6651.9	6697.8
13°	6051.9	6065.3	6055.7	6067.2	6015.6
14°	5444.2	5379.2	5396.4	5331.5	5356.3
15°	4727.6	4737.2	4689.4	4704.7	4693.2
17.5°	3026.9	3047.9	3032.6	3019.3	3040.3
20°	1750.4	1748.5	1754.2	1737.0	1721.7
22.5°	921.1	934.4	951.6	953.5	965.0
25°	537.0	548.4	565.6	558.0	538.9
27.5°	328.7	349.7	376.5	357.3	334.4
30°	206.4	223.6	256.1	225.5	212.1
32.5°	116.6	141.4	168.2	141.4	116.6
35°	63.1	82.2	107.0	80.3	63.1
37.5°	42.0	47.8	70.7	47.8	42.0
40°	26.8	32.5	44.0	32.5	26.8
42.5°	15.3	21.0	24.8	21.0	15.3
45°	9.6	11.5	17.2	13.4	9.6
47.5°	3.8	5.7	11.5	5.7	5.7
50°	3.8	3.8	7.6	3.8	3.8
52.5°	3.8	3.8	3.8	3.8	3.8
55°	3.8	3.8	3.8	3.8	3.8
57.5°	3.8	3.8	3.8	3.8	3.8
60°	3.8	3.8	3.8	3.8	3.8
62.5°	3.8	3.8	3.8	3.8	3.8
65°	1.9	1.9	1.9	1.9	1.9
67.5°	1.9	1.9	1.9	1.9	1.9
70°	1.9	1.9	1.9	1.9	1.9
72.5°	1.9	1.9	1.9	1.9	1.9
75°	1.9	1.9	1.9	1.9	1.9
77.5°	1.9	1.9	1.9	1.9	1.9
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)