

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: P1308296

Luminaire Tested: P3SQAS20R259030D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308296
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: P3SQAS20R259030D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

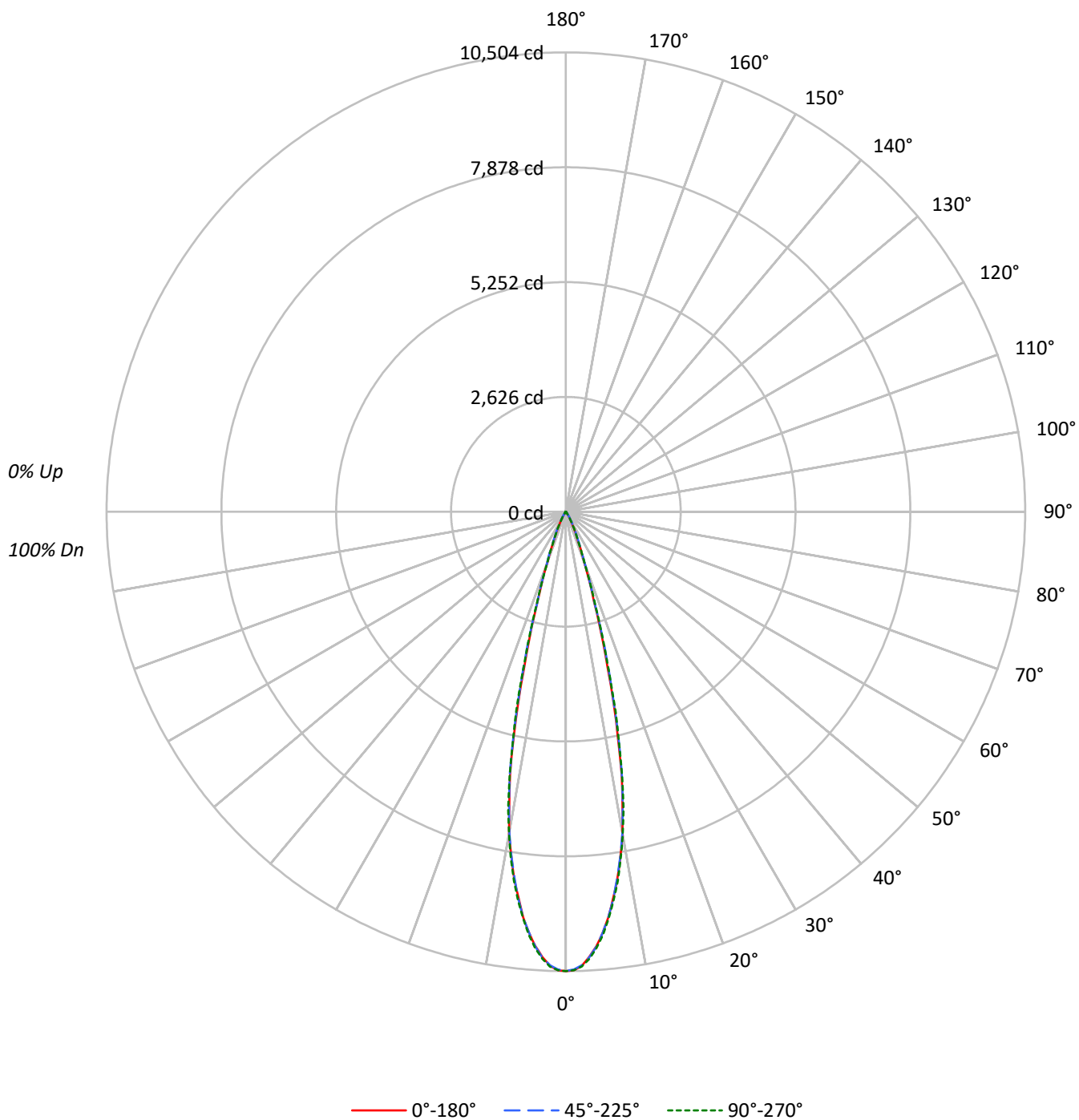
Lumens per Lamp: N/A
Luminaire Lumens: 2219.0 lumens
Efficiency: N/A
Efficacy: 77.0 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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
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	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	84	80	77	83	80	77		82	79	77		82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1809009	1809009	1809009
5°	1670925	1670337	1679690
10°	1305230	1301680	1310564
15°	656636	684076	683470
20°	224677	230872	227152
25°	90282	101531	94139
30°	36651	43711	35637
35°	10659	19195	10659
40°	4946	8363	4946
45°	1656	3288	1656
50°	911	1366	911
55°	1021	1021	1021
60°	1171	1171	1171
65°	693	693	693
70°	856	856	856
75°	1131	1131	1131
80°	0	1686	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3288 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	852.2	38.4
10°-20°	1043.0	47.0
20°-30°	254.8	11.5
30°-40°	52.7	2.4
40°-50°	9.2	0.4
50°-60°	3.1	0.1
60°-70°	2.4	0.1
70°-80°	1.6	0.1
80°-90°	0.1	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°	2150.0	96.9
0°-40°	2202.6	99.3
0°-60°	2214.9	99.8
0°-90°	2219.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2219.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10504	10504	10504	10504	10504	
5°	9665	9674	9662	9682	9716	851
15°	3683	3745	3837	3854	3833	1028
25°	475	497	534	504	495	243
35°	51	71	91	69	51	43
45°	7	10	14	10	7	7
55°	3	3	3	3	3	3
65°	2	3	2	2	2	2
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°	10503.9	10503.9	10503.9	10503.9	10503.9
1°	10483.6	10470.1	10466.7	10468.4	10485.3
2°	10388.9	10380.4	10378.8	10383.8	10407.5
3°	10196.1	10206.3	10209.7	10226.6	10238.4
4°	9959.4	9979.7	9971.2	9991.5	10005.1
5°	9665.2	9673.6	9661.8	9682.1	9715.9
6°	9321.9	9291.5	9320.2	9328.7	9352.4
7°	8894.1	8900.9	8911.0	8921.2	8956.7
8°	8473.1	8452.8	8447.7	8495.1	8523.8
9°	7981.1	7984.4	7965.8	8019.9	8028.4
10°	7463.6	7421.4	7443.3	7485.6	7494.1
11°	6780.5	6768.7	6800.8	6866.7	6919.2
12°	6139.7	6146.4	6180.2	6202.2	6190.4
13°	5292.5	5343.2	5385.5	5407.5	5378.8
14°	4526.5	4526.5	4580.7	4589.1	4692.3
15°	3682.8	3745.3	3836.7	3853.6	3833.3
17.5°	2127.2	2135.6	2179.6	2177.9	2210.0
20°	1225.9	1237.7	1259.7	1254.6	1239.4
22.5°	737.2	762.6	815.0	772.7	760.9
25°	475.1	497.1	534.3	503.9	495.4
27.5°	297.6	312.8	341.6	314.5	301.0
30°	184.3	192.8	219.8	194.5	179.2
32.5°	99.8	121.7	143.7	121.7	99.8
35°	50.7	71.0	91.3	69.3	50.7
37.5°	33.8	40.6	59.2	38.9	33.8
40°	22.0	27.1	37.2	27.1	22.0
42.5°	11.8	16.9	20.3	18.6	11.8
45°	6.8	10.1	13.5	10.1	6.8
47.5°	5.1	5.1	8.5	5.1	3.4
50°	3.4	3.4	5.1	3.4	3.4
52.5°	3.4	3.4	3.4	3.4	3.4
55°	3.4	3.4	3.4	3.4	3.4
57.5°	3.4	3.4	3.4	3.4	3.4
60°	3.4	3.4	3.4	3.4	3.4
62.5°	3.4	3.4	3.4	3.4	3.4
65°	1.7	3.4	1.7	1.7	1.7
67.5°	1.7	1.7	1.7	1.7	1.7
70°	1.7	1.7	1.7	1.7	1.7
72.5°	1.7	1.7	1.7	1.7	1.7
75°	1.7	1.7	1.7	1.7	1.7
77.5°	1.7	1.7	1.7	1.7	1.7
80°	0.0	0.0	1.7	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)