

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: P1315658

Luminaire Tested: P3SQAS20R309740D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315658
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R309740D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

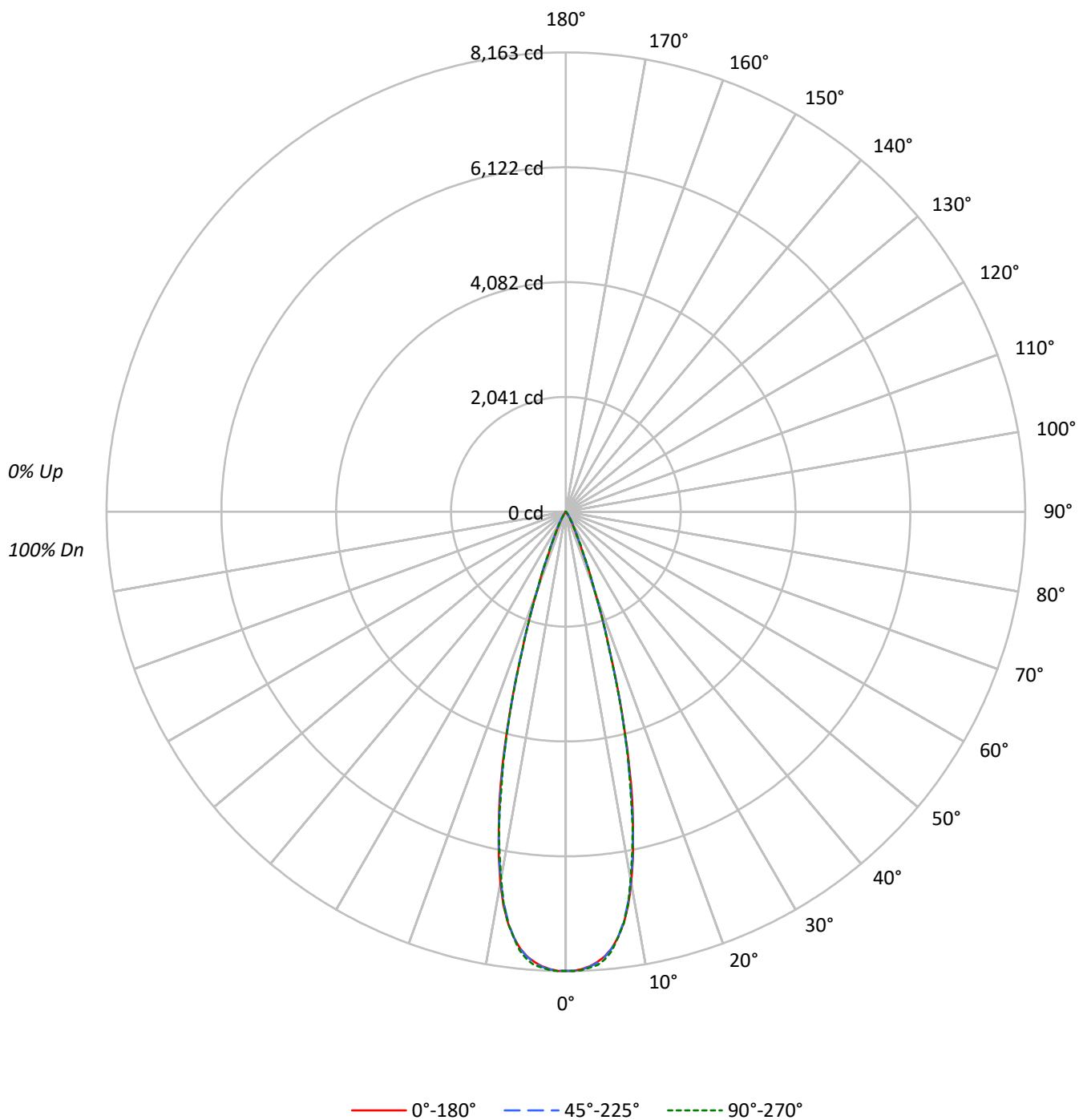
Lumens per Lamp: N/A
Luminaire Lumens: 2105.0 lumens
Efficiency: N/A
Efficacy: 73.1 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1315658

CATALOG NUMBER: P3SQAS20R309740D010 E3SQCD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1315658

CATALOG NUMBER: P3SQAS20R309740D010 E3SQCD1MB

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	101		100
2	112	108	105	103	109	106	104	102	103	101	99		100	99	97		98
3	108	104	100	97	106	102	99	97	100	97	95		98	95	94		95
4	105	100	96	93	103	99	95	92	97	94	91		95	92	90		93
5	102	96	92	89	101	95	92	89	94	91	88		92	90	87		91
6	99	93	89	86	98	92	89	86	91	88	85		90	87	85		89
7	96	90	86	83	95	90	86	83	89	85	83		87	85	82		87
8	94	88	84	81	93	87	83	81	86	83	80		85	82	80		84
9	91	85	81	78	91	85	81	78	84	80	78		83	80	78		82
10	89	83	79	76	88	82	79	76	82	78	76		81	78	76		80

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1404975	1404975	1404975
5°	1370718	1372412	1380053
10°	1170696	1165257	1158384
15°	722446	713977	716615
20°	273044	274547	274235
25°	83992	92087	87735
30°	33867	42975	35159
35°	9987	18249	10323
40°	4047	7352	4047
45°	804	2387	804
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: 2387 cd/sqm

TEST NUMBER: P1315658

CATALOG NUMBER: P3SQAS20R309740D010 E3SQCD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	719.5	34.2
10°-20°	1065.3	50.6
20°-30°	264.2	12.6
30°-40°	49.6	2.4
40°-50°	6.2	0.3
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°	2049.1	97.3
0°-40°	2098.7	99.7
0°-60°	2105.0	100.0
0°-90°	2105.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2105.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8158	8158	8158	8158	8158	
5°	7929	7925	7938	7952	7983	720
15°	4052	4013	4004	4036	4019	1071
25°	442	472	485	483	462	255
35°	48	62	87	64	49	40
45°	3	5	10	6	3	4
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	

TEST NUMBER: P1315658

CATALOG NUMBER: P3SQAS20R309740D010 E3SQCD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8157.9	8157.9	8157.9	8157.9	8157.9
1°	8161.1	8154.6	8154.6	8144.8	8162.8
2°	8131.7	8125.1	8136.6	8128.4	8151.3
3°	8087.5	8079.3	8095.7	8100.6	8112.0
4°	8022.0	8015.4	8033.4	8043.3	8074.4
5°	7928.7	7925.4	7938.5	7951.6	7982.7
6°	7801.0	7796.1	7804.2	7820.6	7840.3
7°	7616.0	7606.1	7612.7	7616.0	7620.9
8°	7381.9	7367.1	7358.9	7376.9	7386.8
9°	7080.6	7064.3	7046.2	7039.7	7062.6
10°	6694.3	6669.7	6663.2	6646.8	6623.9
11°	6245.7	6226.0	6221.1	6191.7	6178.6
12°	5731.6	5721.8	5733.3	5715.3	5708.7
13°	5238.8	5176.6	5168.4	5134.1	5116.1
14°	4656.0	4598.7	4597.1	4579.1	4603.6
15°	4051.9	4012.6	4004.4	4035.5	4019.2
17.5°	2583.4	2609.6	2603.1	2586.7	2558.8
20°	1489.8	1471.8	1498.0	1504.5	1496.3
22.5°	794.0	800.6	805.5	825.1	838.2
25°	442.0	471.5	484.6	483.0	461.7
27.5°	275.0	293.0	317.6	301.2	283.2
30°	170.3	185.0	216.1	186.6	176.8
32.5°	91.7	116.2	139.2	116.2	95.0
35°	47.5	62.2	86.8	63.8	49.1
37.5°	31.1	36.0	55.7	36.0	31.1
40°	18.0	22.9	32.7	22.9	18.0
42.5°	8.2	13.1	18.0	13.1	8.2
45°	3.3	4.9	9.8	6.5	3.3
47.5°	0.0	1.6	4.9	1.6	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



TEST NUMBER: P1315658

CATALOG NUMBER: P3SQAS20R309740D010 E3SQCD1MB

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)