

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: P1314686

Luminaire Tested: P3SQAS20R309735D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314686
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: P3SQAS20R309735D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

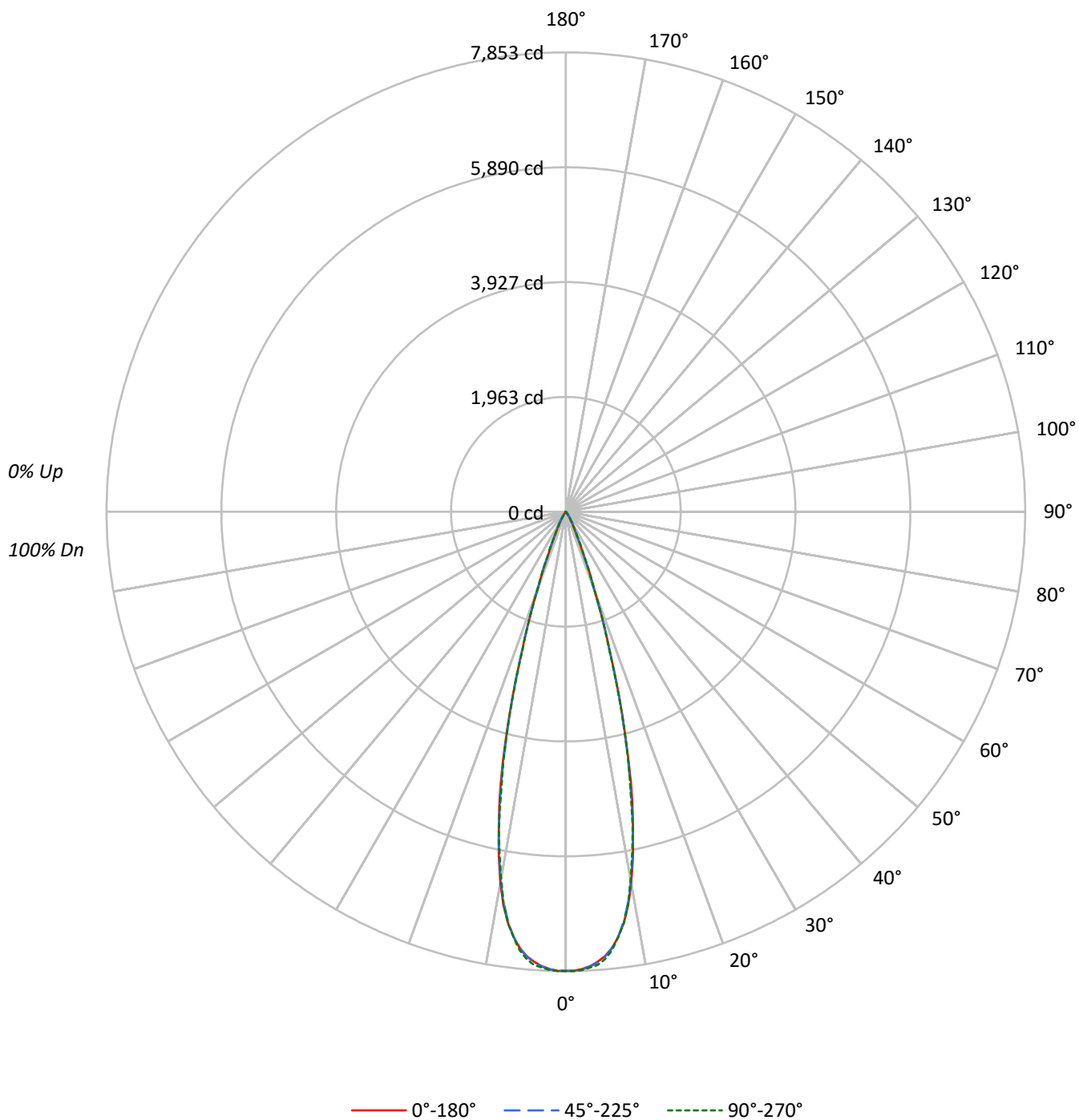
Lumens per Lamp: N/A
Luminaire Lumens: 2025.0 lumens
Efficiency: N/A
Efficacy: 70.3 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1314686

CATALOG NUMBER: P3SQAS20R309735D010 E3SQCD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1314686

CATALOG NUMBER: P3SQAS20R309735D010 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	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	99
1	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	97	96	95
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	94	93	92
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	91	90	89
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88	87	86
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	86	85	84
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	83	82	81
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	81	80	79
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	79	78	77
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	76	75
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	75	74	73

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1351569	1351569	1351569
5°	1318611	1320254	1327601
10°	1126189	1120960	1114349
15°	694988	686857	689371
20°	262670	264118	263825
25°	80799	88590	84391
30°	32574	41344	33827
35°	9608	17555	9924
40°	3889	7082	3889
45°	755	2289	755
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: 2289 cd/sqm

TEST NUMBER: P1314686

CATALOG NUMBER: P3SQAS20R309735D010 E3SQCD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	692.2	34.2
10°-20°	1024.8	50.6
20°-30°	254.2	12.6
30°-40°	47.7	2.4
40°-50°	6.0	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°	1971.2	97.3
0°-40°	2018.9	99.7
0°-60°	2025.0	100.0
0°-90°	2025.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2025.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7848	7848	7848	7848	7848	
5°	7627	7624	7637	7649	7679	693
15°	3898	3860	3852	3882	3866	1030
25°	425	454	466	465	444	245
35°	46	60	84	61	47	38
45°	3	5	9	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: P1314686

CATALOG NUMBER: P3SQAS20R309735D010 E3SQCD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7847.8	7847.8	7847.8	7847.8	7847.8
1°	7851.0	7844.7	7844.7	7835.2	7852.6
2°	7822.6	7816.3	7827.4	7819.5	7841.5
3°	7780.1	7772.2	7788.0	7792.7	7803.7
4°	7717.1	7710.8	7728.1	7737.6	7767.5
5°	7627.3	7624.2	7636.8	7649.4	7679.3
6°	7504.5	7499.8	7507.6	7523.4	7542.3
7°	7326.5	7317.1	7323.4	7326.5	7331.3
8°	7101.3	7087.1	7079.3	7096.6	7106.0
9°	6811.5	6795.8	6778.5	6772.2	6794.2
10°	6439.8	6416.2	6409.9	6394.2	6372.1
11°	6008.3	5989.4	5984.7	5956.3	5943.7
12°	5513.8	5504.3	5515.4	5498.0	5491.7
13°	5039.7	4979.9	4972.0	4938.9	4921.6
14°	4479.1	4424.0	4422.4	4405.1	4428.7
15°	3897.9	3860.1	3852.3	3882.2	3866.4
17.5°	2485.2	2510.4	2504.1	2488.4	2461.6
20°	1433.2	1415.9	1441.1	1447.4	1439.5
22.5°	763.8	770.1	774.9	793.8	806.4
25°	425.2	453.6	466.2	464.6	444.1
27.5°	264.6	281.9	305.5	289.8	272.5
30°	163.8	178.0	207.9	179.5	170.1
32.5°	88.2	111.8	133.9	111.8	91.3
35°	45.7	59.8	83.5	61.4	47.2
37.5°	29.9	34.6	53.5	34.6	29.9
40°	17.3	22.0	31.5	22.0	17.3
42.5°	7.9	12.6	17.3	12.6	7.9
45°	3.1	4.7	9.4	6.3	3.1
47.5°	0.0	1.6	4.7	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: P1314686

CATALOG NUMBER: P3SQAS20R309735D010 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)