

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: P1314688

Luminaire Tested: P3SQAS20R309735D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314688
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: P3SQAS20R309735D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

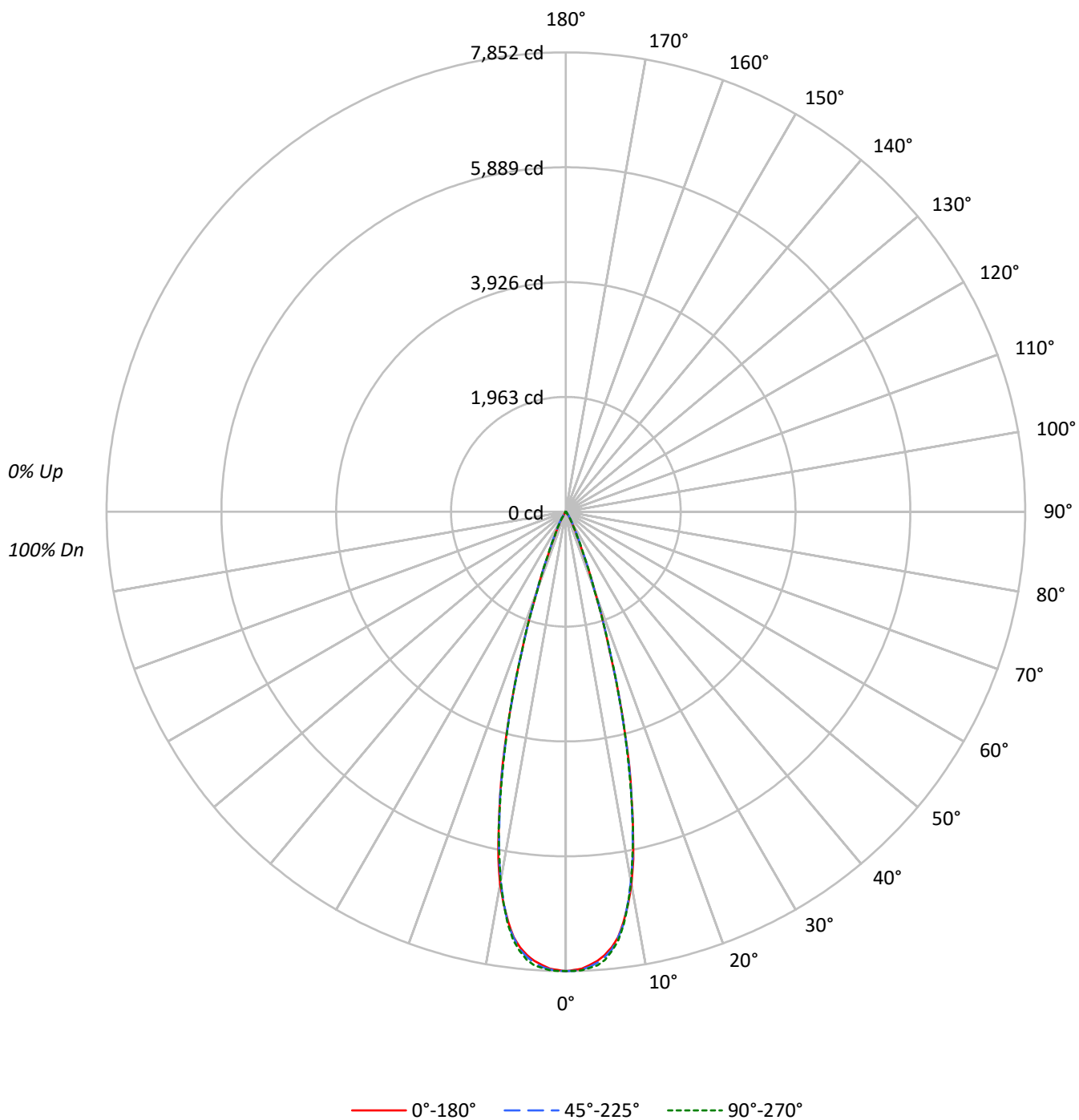
Lumens per Lamp: N/A
Luminaire Lumens: 2042.1 lumens
Efficiency: N/A
Efficacy: 70.9 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1314688

CATALOG NUMBER: P3SQAS20R309735D010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1314688

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1352206	1352206	1352206
5°	1315154	1320876	1329036
10°	1130893	1121257	1122359
15°	694899	689282	689835
20°	264467	265053	260141
25°	84125	88609	84410
30°	33827	41981	34782
35°	10933	18544	10933
40°	4969	8139	4969
45°	1924	3459	1924
50°	857	1688	857
55°	961	961	961
60°	1102	1102	1102
65°	652	652	652
70°	806	806	806
75°	1065	1065	1065
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3459 cd/sqm

TEST NUMBER: P1314688

CATALOG NUMBER: P3SQAS20R309735D010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	692.6	33.9
10°-20°	1027.4	50.3
20°-30°	255.3	12.5
30°-40°	51.0	2.5
40°-50°	9.3	0.5
50°-60°	3.0	0.1
60°-70°	2.2	0.1
70°-80°	1.5	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°	1975.3	96.7
0°-40°	2026.2	99.2
0°-60°	2038.5	99.8
0°-90°	2042.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2042.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7852	7852	7852	7852	7852	
5°	7607	7632	7640	7651	7688	692
15°	3897	3905	3866	3878	3869	1031
25°	443	452	466	460	444	248
35°	52	68	88	66	52	42
45°	8	10	14	11	8	7
55°	3	3	3	3	3	3
65°	2	2	2	2	2	2
75°	2	2	2	2	2	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1314688

CATALOG NUMBER: P3SQAS20R309735D010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7851.5	7851.5	7851.5	7851.5	7851.5
1°	7834.1	7843.6	7849.9	7849.9	7849.9
2°	7812.1	7818.4	7827.8	7829.4	7842.0
3°	7760.1	7774.3	7790.0	7799.5	7805.8
4°	7697.1	7716.0	7725.4	7749.1	7769.5
5°	7607.3	7632.5	7640.4	7651.4	7687.6
6°	7486.0	7504.9	7520.6	7525.4	7547.4
7°	7325.3	7334.8	7331.6	7339.5	7378.9
8°	7081.1	7084.3	7111.1	7093.7	7120.5
9°	6791.3	6778.7	6772.4	6785.0	6786.5
10°	6466.7	6424.2	6411.6	6400.6	6417.9
11°	6046.1	5991.0	5995.7	5992.6	5967.4
12°	5523.1	5516.8	5475.9	5483.7	5521.5
13°	4989.1	5000.1	4992.2	5001.7	4959.1
14°	4488.1	4434.6	4448.7	4395.2	4415.7
15°	3897.4	3905.3	3865.9	3878.5	3869.0
17.5°	2495.3	2512.7	2500.1	2489.0	2506.4
20°	1443.0	1441.4	1446.2	1432.0	1419.4
22.5°	759.3	770.3	784.5	786.1	795.5
25°	442.7	452.1	466.3	460.0	444.2
27.5°	271.0	288.3	310.3	294.6	275.7
30°	170.1	184.3	211.1	185.9	174.9
32.5°	96.1	116.6	138.6	116.6	96.1
35°	52.0	67.7	88.2	66.2	52.0
37.5°	34.7	39.4	58.3	39.4	34.7
40°	22.1	26.8	36.2	26.8	22.1
42.5°	12.6	17.3	20.5	17.3	12.6
45°	7.9	9.5	14.2	11.0	7.9
47.5°	3.2	4.7	9.5	4.7	4.7
50°	3.2	3.2	6.3	3.2	3.2
52.5°	3.2	3.2	3.2	3.2	3.2
55°	3.2	3.2	3.2	3.2	3.2
57.5°	3.2	3.2	3.2	3.2	3.2
60°	3.2	3.2	3.2	3.2	3.2
62.5°	3.2	3.2	3.2	3.2	3.2
65°	1.6	1.6	1.6	1.6	1.6
67.5°	1.6	1.6	1.6	1.6	1.6
70°	1.6	1.6	1.6	1.6	1.6
72.5°	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6
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: P1314688

CATALOG NUMBER: P3SQAS20R309735D010 E3SQCD1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)