

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: P1318296

Luminaire Tested: P3SQAS20R309835D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318296
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R309835D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

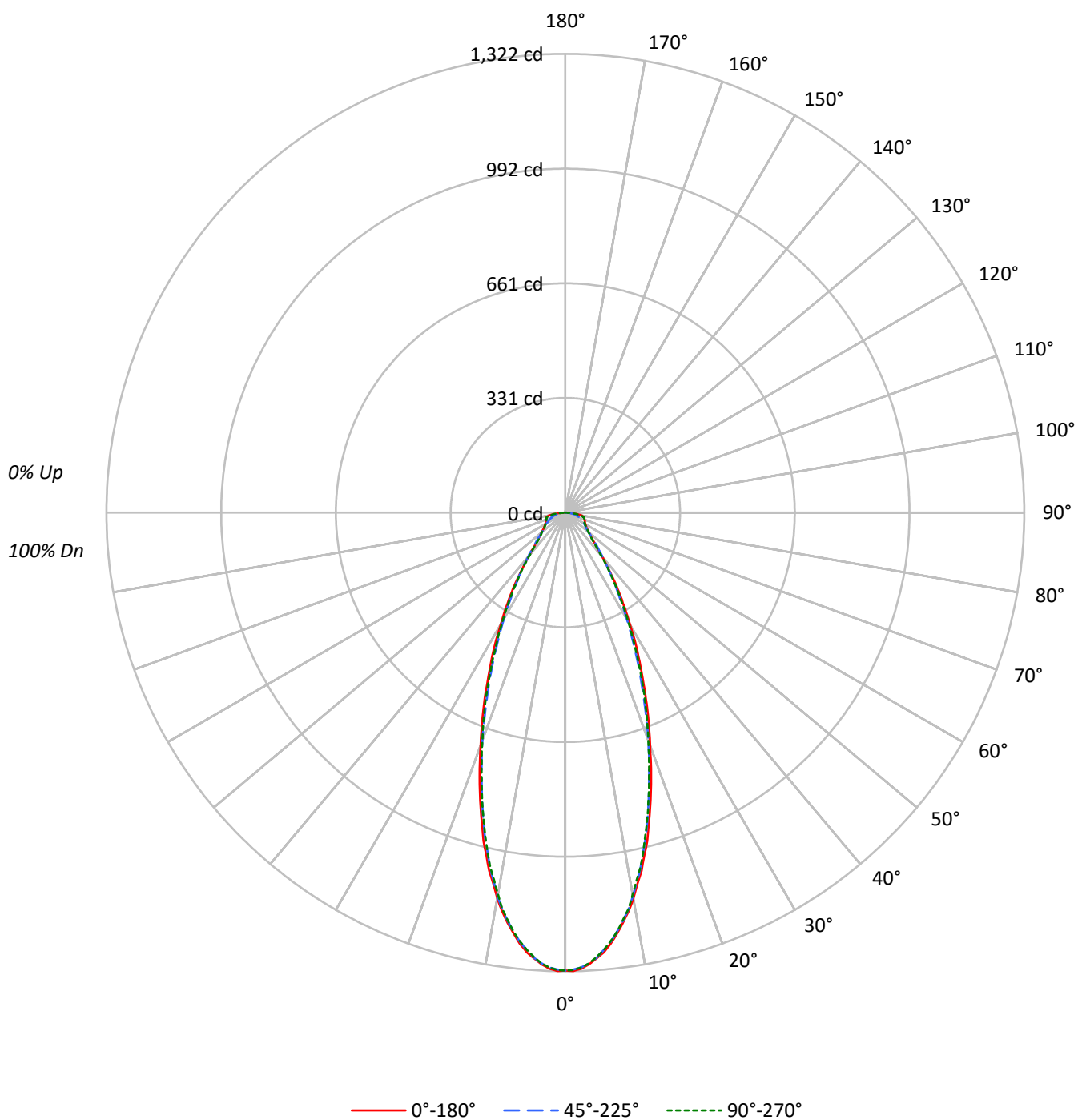
Lumens per Lamp: N/A
Luminaire Lumens: 1041.0 lumens
Efficiency: N/A
Efficacy: 38.0 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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: P1318296

CATALOG NUMBER: P3SQAS20R309835D010 E3SQPHLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1318296

CATALOG NUMBER: P3SQAS20R309835D010 E3SQPHLP1MW

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	111	107	104	101	109	105	102	99	101	99	96		97	95	93		94
2	104	98	92	88	102	96	91	87	92	88	85		89	86	83		86
3	97	89	83	78	95	88	82	77	85	80	76		83	78	75		80
4	92	82	76	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	85	75	69	64	74	68	63		72	67	63		70
6	82	71	64	59	80	70	64	59	69	63	59		67	62	58		66
7	77	67	60	55	76	66	60	55	65	59	55		63	58	54		62
8	74	63	56	51	72	62	56	51	61	55	51		60	55	51		59
9	70	59	53	48	69	59	52	48	58	52	48		57	51	48		56
10	67	56	50	45	66	56	49	45	55	49	45		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	227351	227351	227351
5°	219956	218849	218849
10°	197404	196285	195445
15°	165443	162875	162608
20°	130620	127981	127981
25°	99973	96039	97864
30°	74197	70379	71969
35°	53634	51279	51615
40°	36916	37635	35836
45°	27571	28740	26402
50°	23926	23498	23498
55°	22490	21529	22009
60°	23078	21424	22527
65°	25347	21435	24695
70°	29709	21652	28904
75°	38195	23356	37130
80°	47408	25291	44234
85°	37742	25293	34581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 47408 cd/sqm

TEST NUMBER: P1318296

CATALOG NUMBER: P3SQAS20R309835D010 E3SQPHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.4	11.2
10°-20°	253.1	24.3
20°-30°	235.8	22.7
30°-40°	156.5	15.0
40°-50°	91.1	8.8
50°-60°	66.3	6.4
60°-70°	56.0	5.4
70°-80°	46.4	4.5
80°-90°	19.3	1.9
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°	605.3	58.2
0°-40°	761.8	73.2
0°-60°	919.2	88.3
0°-90°	1041.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1041.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1320	1320	1320	1320	1320	
5°	1272	1271	1266	1266	1266	117
15°	928	918	914	912	912	256
25°	526	517	505	507	515	243
35°	255	250	244	246	246	160
45°	113	115	118	112	108	91
55°	75	73	72	73	73	68
65°	62	56	53	56	61	62
75°	57	43	35	43	56	59
85°	19	22	13	21	18	22
90°	0	0	0	0	0	

TEST NUMBER: P1318296

CATALOG NUMBER: P3SQAS20R309835D010 E3SQPHLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1320.1	1320.1	1320.1	1320.1	1320.1
1°	1321.7	1320.1	1316.9	1318.5	1318.5
2°	1315.3	1313.7	1312.1	1312.1	1312.1
3°	1304.2	1302.6	1301.0	1301.0	1301.0
4°	1288.2	1286.6	1286.6	1285.0	1285.0
5°	1272.3	1270.7	1265.9	1265.9	1265.9
6°	1249.9	1248.4	1245.2	1243.6	1243.6
7°	1222.8	1222.8	1218.1	1216.5	1218.1
8°	1194.1	1192.6	1189.4	1187.8	1187.8
9°	1163.9	1159.1	1159.1	1154.3	1157.5
10°	1128.8	1125.6	1122.4	1119.2	1117.6
11°	1088.9	1087.3	1082.5	1079.4	1077.8
12°	1055.4	1047.5	1044.3	1039.5	1042.7
13°	1012.4	1007.6	999.6	998.0	999.6
14°	975.7	966.2	959.8	956.6	955.0
15°	927.9	918.3	913.5	912.0	912.0
17.5°	821.1	814.7	801.9	801.9	801.9
20°	712.7	706.3	698.3	696.7	698.3
22.5°	618.6	607.4	594.7	596.3	605.8
25°	526.1	516.6	505.4	507.0	515.0
27.5°	448.0	435.2	424.1	427.3	432.1
30°	373.1	365.1	353.9	357.1	361.9
32.5°	309.3	304.5	291.8	294.9	299.7
35°	255.1	250.3	243.9	245.5	245.5
37.5°	204.1	204.1	202.5	200.9	199.3
40°	164.2	167.4	167.4	162.6	159.4
42.5°	133.9	137.1	140.3	133.9	129.1
45°	113.2	114.8	118.0	111.6	108.4
47.5°	98.8	98.8	102.0	97.3	95.7
50°	89.3	89.3	87.7	86.1	87.7
52.5°	81.3	79.7	78.1	79.7	79.7
55°	74.9	73.3	71.7	73.3	73.3
57.5°	70.2	68.6	67.0	67.0	68.6
60°	67.0	63.8	62.2	63.8	65.4
62.5°	63.8	59.0	57.4	59.0	62.2
65°	62.2	55.8	52.6	55.8	60.6
67.5°	60.6	52.6	47.8	52.6	59.0
70°	59.0	49.4	43.0	49.4	57.4
72.5°	57.4	46.2	39.9	46.2	57.4
75°	57.4	43.0	35.1	43.0	55.8
77.5°	54.2	39.9	30.3	39.9	52.6
80°	47.8	36.7	25.5	35.1	44.6
82.5°	35.1	31.9	19.1	30.3	33.5
85°	19.1	22.3	12.8	20.7	17.5
87.5°	3.2	4.8	3.2	9.6	6.4



TEST NUMBER: P1318296

CATALOG NUMBER: P3SQAS20R309835D010 E3SQPHLP1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)