

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: P1306248

Luminaire Tested: P3SQASS20R359024D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306248
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQASS20R359024D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

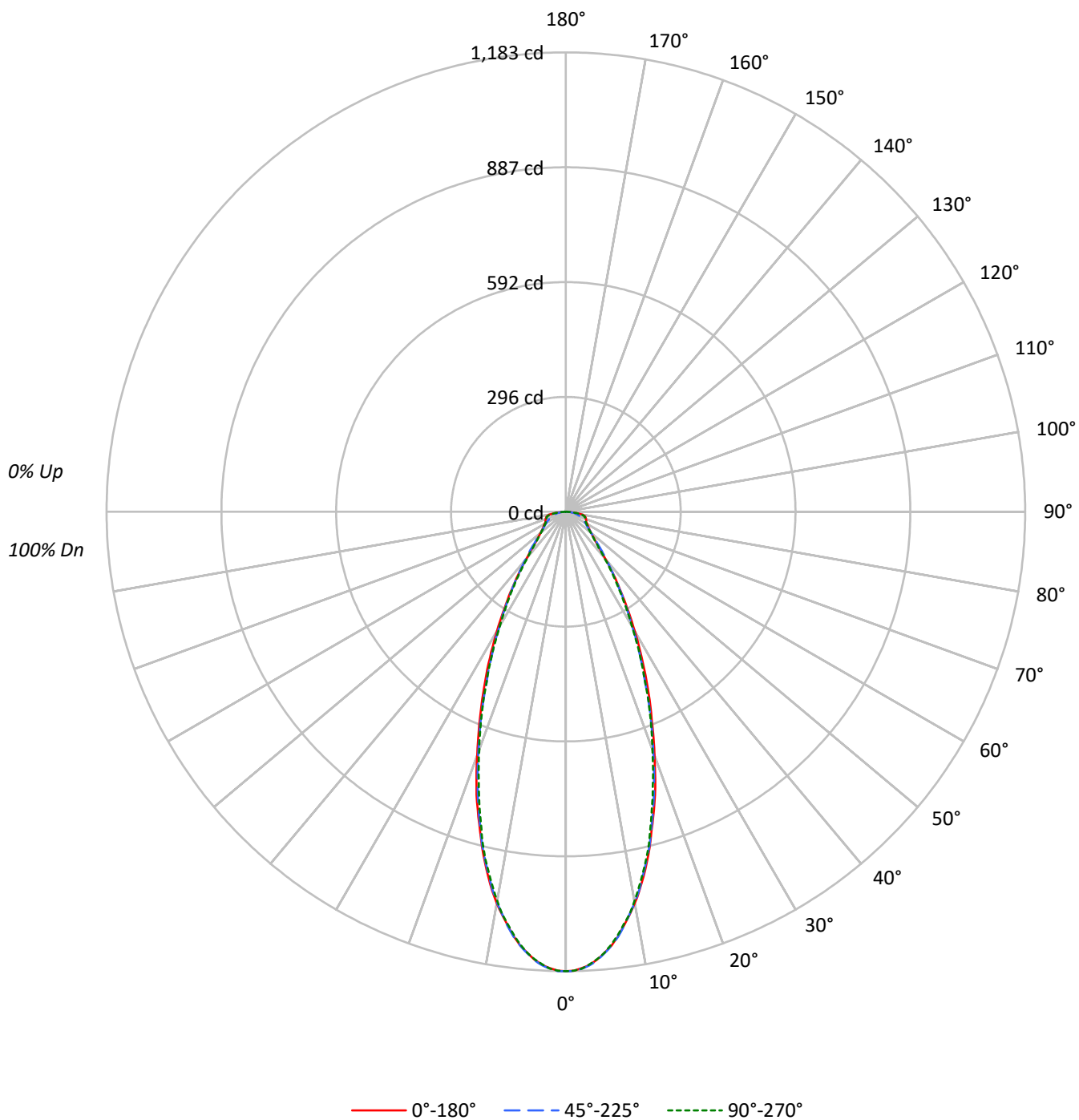
Lumens per Lamp: N/A
Luminaire Lumens: 979.0 lumens
Efficiency: N/A
Efficacy: 34.0 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1306248

CATALOG NUMBER: P3SQASS20R359024D010 E3SQPHLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1306248

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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	111	107	104	101	109	105	102	99	101	99	96		97	95	93		94
2	104	98	92	88	101	96	91	87	92	88	85		89	86	83		86
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80
4	92	82	75	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	84	75	69	64	73	68	63		72	67	63		70
6	82	71	64	59	80	70	64	59	69	63	58		67	62	58		66
7	77	66	60	55	76	66	59	54	64	58	54		63	58	54		62
8	73	62	56	51	72	62	55	51	61	55	51		60	54	50		59
9	70	59	52	48	68	58	52	48	57	52	47		56	51	47		55
10	66	56	49	45	65	55	49	45	54	49	45		53	48	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	203791	203791	203791
5°	197101	197343	197101
10°	179042	178779	177992
15°	151981	151446	150127
20°	122355	120724	119624
25°	94576	91745	91745
30°	70538	68171	67575
35°	50753	50122	48882
40°	35522	36511	34173
45°	26499	27961	25769
50°	22747	22747	22372
55°	21469	20598	21018
60°	22079	20012	21046
65°	23677	20050	23065
70°	27745	20998	26990
75°	34735	21826	33737
80°	44333	23605	39870
85°	35371	23515	35371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 44333 cd/sqm

TEST NUMBER: P1306248

CATALOG NUMBER: P3SQASS20R359024D010 E3SQPHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.1	10.7
10°-20°	234.5	24.0
20°-30°	224.0	22.9
30°-40°	150.4	15.4
40°-50°	88.3	9.0
50°-60°	63.2	6.5
60°-70°	52.6	5.4
70°-80°	43.1	4.4
80°-90°	17.8	1.8
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°	563.6	57.6
0°-40°	714.0	72.9
0°-60°	865.5	88.4
0°-90°	979.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	979.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1183	1183	1183	1183	1183	
5°	1140	1143	1142	1140	1140	105
15°	852	854	849	844	842	236
25°	498	492	483	483	483	228
35°	241	241	238	234	232	153
45°	109	112	115	109	106	87
55°	72	70	69	69	70	65
65°	58	52	49	52	57	58
75°	52	40	33	40	51	54
85°	18	19	12	19	18	20
90°	0	0	0	0	0	

TEST NUMBER: P1306248

CATALOG NUMBER: P3SQASS20R359024D010 E3SQPHLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1183.3	1183.3	1183.3	1183.3	1183.3
1°	1181.8	1183.3	1183.3	1181.8	1181.8
2°	1175.8	1178.8	1177.3	1175.8	1177.3
3°	1168.4	1171.3	1169.9	1168.4	1166.9
4°	1156.4	1159.4	1157.9	1155.0	1155.0
5°	1140.1	1143.0	1141.5	1140.1	1140.1
6°	1123.7	1126.6	1123.7	1120.7	1120.7
7°	1101.3	1105.8	1102.8	1099.8	1098.3
8°	1076.0	1080.4	1077.5	1076.0	1073.0
9°	1050.6	1053.6	1049.1	1049.1	1049.1
10°	1023.8	1025.3	1022.3	1017.8	1017.8
11°	994.0	992.5	991.0	988.0	985.1
12°	961.2	961.2	956.7	953.8	952.3
13°	926.9	925.5	922.5	919.5	919.5
14°	891.2	891.2	888.2	882.2	883.7
15°	852.4	853.9	849.4	843.5	842.0
17.5°	764.5	761.5	754.1	749.6	745.1
20°	667.6	666.1	658.7	654.2	652.7
22.5°	578.2	576.7	569.3	564.8	567.8
25°	497.7	491.8	482.8	482.8	482.8
27.5°	423.2	415.8	409.8	406.8	409.8
30°	354.7	348.7	342.8	341.3	339.8
32.5°	293.6	290.6	287.6	283.1	283.1
35°	241.4	241.4	238.4	234.0	232.5
37.5°	196.7	198.2	196.7	192.2	190.8
40°	158.0	160.9	162.4	158.0	152.0
42.5°	129.7	134.1	137.1	129.7	125.2
45°	108.8	111.8	114.8	108.8	105.8
47.5°	95.4	96.9	98.4	93.9	92.4
50°	84.9	84.9	84.9	83.5	83.5
52.5°	77.5	77.5	76.0	74.5	74.5
55°	71.5	70.0	68.6	68.6	70.0
57.5°	67.1	65.6	62.6	64.1	65.6
60°	64.1	61.1	58.1	59.6	61.1
62.5°	59.6	56.6	53.6	55.1	58.1
65°	58.1	52.2	49.2	52.2	56.6
67.5°	56.6	49.2	44.7	49.2	55.1
70°	55.1	46.2	41.7	46.2	53.6
72.5°	53.6	43.2	37.3	43.2	52.2
75°	52.2	40.2	32.8	40.2	50.7
77.5°	49.2	37.3	28.3	37.3	46.2
80°	44.7	34.3	23.8	32.8	40.2
82.5°	32.8	28.3	19.4	28.3	29.8
85°	17.9	19.4	11.9	19.4	17.9
87.5°	1.5	3.0	3.0	8.9	6.0



TEST NUMBER: P1306248

CATALOG NUMBER: P3SQASS20R359024D010 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)