

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: P1312830

Luminaire Tested: P3SQAS20R709727D010 E3SQCLDWW1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312830
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-45)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R709727D010 E3SQCLDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , E3SQCLDWW1MW TRI
Light Source: -
Ballast/Driver: -

Summary

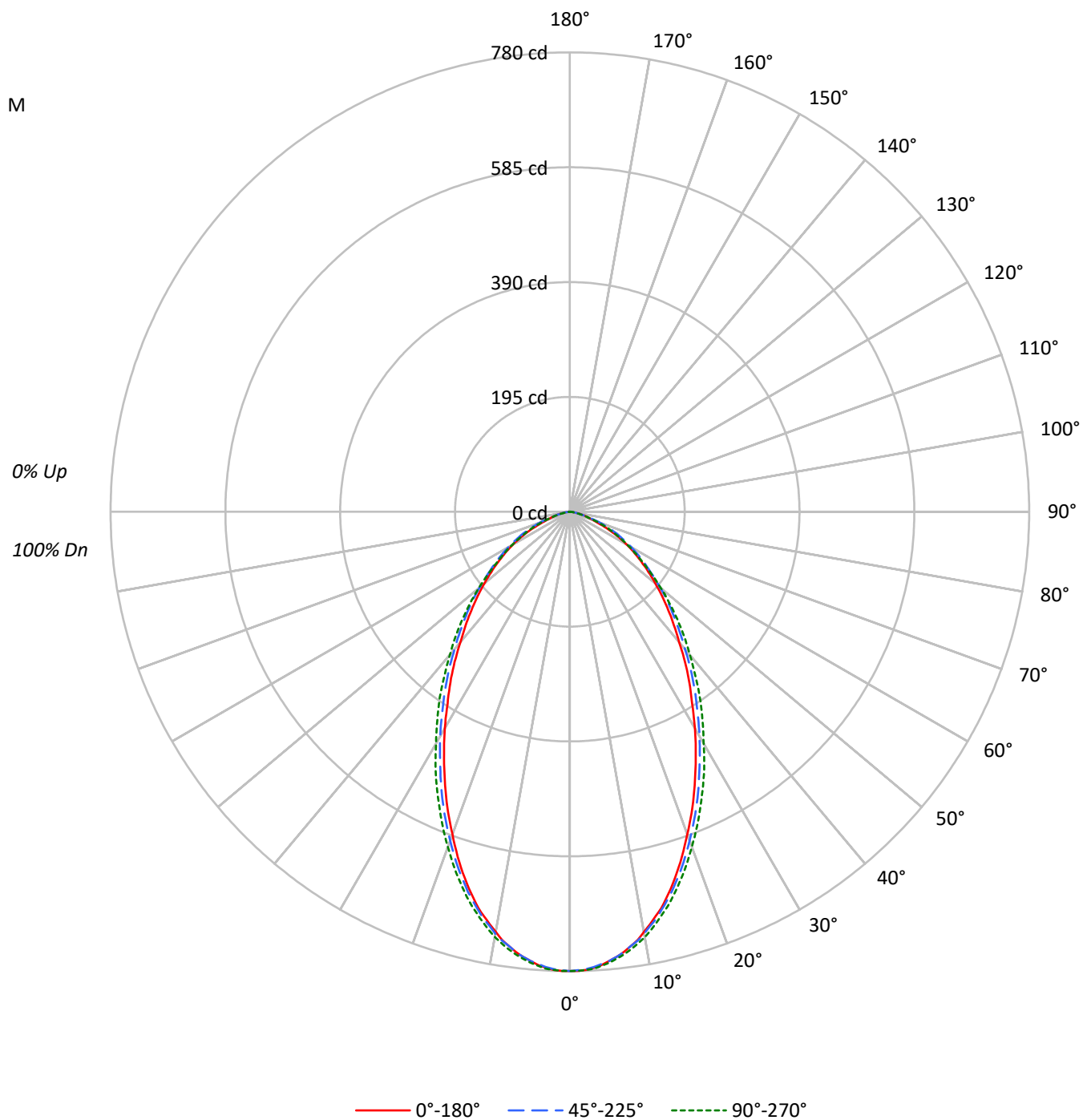
Lumens per Lamp: N/A
Luminaire Lumens: 1171.0 lumens
Efficiency: N/A
Efficacy: 40.7 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1312830

CATALOG NUMBER: P3SQAS20R709727D010 E3SQCLDWW1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1312830

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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	98	96		97	95	93		94
2	103	96	91	86	101	95	89	85	91	87	83		88	84	81		85
3	95	87	80	75	93	85	79	74	82	77	73		80	75	71		77
4	89	78	71	65	87	77	70	65	75	69	64		73	67	63		71
5	83	71	64	58	81	70	63	58	68	62	57		67	61	57		65
6	77	65	58	52	75	64	57	52	63	56	51		61	55	51		60
7	72	60	52	47	70	59	52	47	58	51	47		57	51	46		55
8	68	56	48	43	66	55	48	43	54	47	42		53	47	42		51
9	64	52	44	39	62	51	44	39	50	44	39		49	43	39		48
10	60	48	41	36	59	48	41	36	47	40	36		46	40	36		45

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	134316	134316	134316
5°	132375	132375	132859
10°	126735	127225	128222
15°	118105	119121	120636
20°	106868	108957	111028
25°	95488	98168	100866
30°	84438	87541	90345
35°	74385	77665	80944
40°	64906	68413	71268
45°	57577	60671	62741
50°	50826	53479	54229
55°	44619	47171	45910
60°	38509	41437	39473
65°	30564	35780	32316
70°	22106	27796	24221
75°	16968	17900	15038
80°	11207	11207	8430
85°	5533	5533	5533

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 62741 cd/sqm

TEST NUMBER: P1312830

CATALOG NUMBER: P3SQAS20R709727D010 E3SQCLDWW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.9	6.1
10°-20°	186.7	15.9
20°-30°	237.1	20.3
30°-40°	230.7	19.7
40°-50°	191.8	16.4
50°-60°	138.3	11.8
60°-70°	81.4	7.0
70°-80°	28.8	2.5
80°-90°	4.2	0.4
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°	495.7	42.3
0°-40°	726.4	62.0
0°-60°	1056.5	90.2
0°-90°	1171.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1171.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	780	780	780	780	780	
5°	766	764	766	766	768	72
15°	662	662	668	672	677	185
25°	502	508	517	526	531	231
35°	354	358	369	379	385	221
45°	236	241	249	255	258	183
55°	149	153	157	156	153	133
65°	75	81	88	84	79	75
75°	26	27	27	24	23	28
85°	3	3	3	3	3	4
90°	0	0	0	0	0	

TEST NUMBER: P1312830

CATALOG NUMBER: P3SQAS20R709727D010 E3SQCLDWW1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	779.9	779.9	779.9	779.9	779.9
1°	779.9	778.5	778.5	778.5	779.9
2°	778.5	777.0	777.0	777.0	778.5
3°	775.6	774.2	774.2	774.2	777.0
4°	771.4	768.5	770.0	770.0	772.8
5°	765.7	764.3	765.7	765.7	768.5
6°	760.1	758.6	760.1	760.1	762.9
7°	753.0	751.6	753.0	754.4	757.2
8°	744.5	743.1	744.5	745.9	750.1
9°	736.0	734.6	737.4	738.8	741.7
10°	724.7	724.7	727.5	728.9	733.2
11°	713.4	713.4	716.2	719.0	723.3
12°	702.0	702.0	706.3	709.1	711.9
13°	690.7	689.3	693.5	696.4	700.6
14°	676.6	675.1	680.8	685.0	689.3
15°	662.4	662.4	668.1	672.3	676.6
17.5°	624.2	625.6	632.7	638.3	642.6
20°	583.1	587.4	594.5	601.5	605.8
22.5°	543.5	546.3	556.2	564.7	569.0
25°	502.5	508.1	516.6	526.5	530.8
27.5°	462.8	468.5	477.0	486.9	494.0
30°	424.6	428.9	440.2	450.1	454.3
32.5°	386.4	392.1	403.4	413.3	419.0
35°	353.8	358.1	369.4	379.3	385.0
37.5°	321.3	325.5	336.9	345.4	349.6
40°	288.7	295.8	304.3	312.8	317.0
42.5°	261.8	267.5	276.0	283.1	287.3
45°	236.4	240.6	249.1	254.8	257.6
47.5°	212.3	216.6	225.0	227.9	229.3
50°	189.7	193.9	199.6	201.0	202.4
52.5°	168.4	171.3	176.9	176.9	175.5
55°	148.6	152.9	157.1	155.7	152.9
57.5°	130.2	131.6	138.7	135.9	133.0
60°	111.8	114.6	120.3	117.5	114.6
62.5°	93.4	96.2	103.3	100.5	96.2
65°	75.0	80.7	87.8	83.5	79.3
67.5°	56.6	63.7	70.8	66.5	63.7
70°	43.9	49.5	55.2	51.0	48.1
72.5°	34.0	36.8	39.6	36.8	34.0
75°	25.5	26.9	26.9	24.1	22.6
77.5°	18.4	19.8	17.0	14.2	14.2
80°	11.3	12.7	11.3	8.5	8.5
82.5°	5.7	7.1	5.7	5.7	5.7
85°	2.8	2.8	2.8	2.8	2.8
87.5°	1.4	1.4	1.4	1.4	1.4



TEST NUMBER: P1312830

CATALOG NUMBER: P3SQAS20R709727D010 E3SQCLDWW1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)