

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: P1316621

Luminaire Tested: P3SQAS20R709827D010 E3SQCLDWW1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316621
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-46)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R709827D010 E3SQCLDWW1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3SQCLDWW1MMS TR
Light Source: -
Ballast/Driver: -

Summary

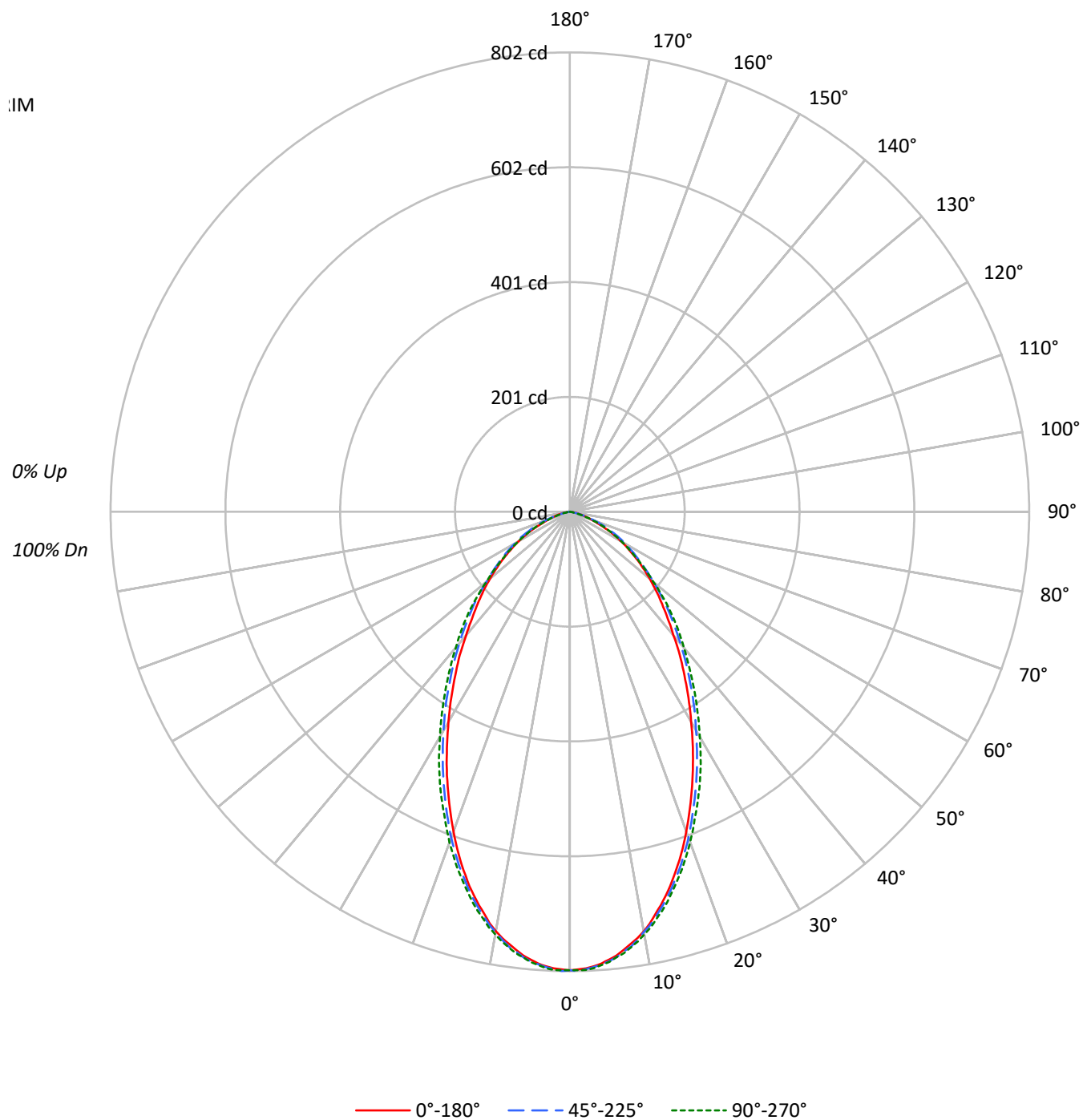
Lumens per Lamp: N/A
Luminaire Lumens: 1146.0 lumens
Efficiency: N/A
Efficacy: 41.8 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 0.99
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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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	108	104	102	109	106	103	100	101	99	97		98	96	94		94
2	103	97	92	87	101	95	90	86	92	88	84		89	85	82		86
3	96	87	81	76	94	86	80	75	83	78	74		81	76	72		78
4	89	79	72	66	87	78	71	66	76	70	65		74	69	64		72
5	83	72	65	59	81	71	64	59	69	63	58		67	62	58		66
6	78	66	59	53	76	65	58	53	64	57	53		62	56	52		61
7	73	61	53	48	71	60	53	48	59	52	48		58	52	47		56
8	68	57	49	44	67	56	49	44	55	48	44		53	48	43		52
9	64	53	45	40	63	52	45	40	51	45	40		50	44	40		49
10	61	49	42	37	60	49	42	37	48	41	37		47	41	37		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	137864	137864	137864
5°	135694	136178	136420
10°	130040	130303	131037
15°	120672	121688	122705
20°	108921	111010	112568
25°	96458	99156	101588
30°	84259	87660	90205
35°	73249	77118	79515
40°	63287	67446	69694
45°	55410	59209	60939
50°	48763	51041	51041
55°	42277	44409	43117
60°	35753	38199	36236
65°	27792	31868	28974
70°	20041	23616	20041
75°	15105	14173	11379
80°	9918	7042	2777
85°	2766	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 60939 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.8	6.4
10°-20°	190.5	16.6
20°-30°	239.1	20.9
30°-40°	228.4	19.9
40°-50°	185.7	16.2
50°-60°	130.0	11.3
60°-70°	73.4	6.4
70°-80°	23.2	2.0
80°-90°	1.8	0.2
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°	503.4	43.9
0°-40°	731.8	63.9
0°-60°	1047.5	91.4
0°-90°	1146.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1146.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	800	800	800	800	800	
5°	785	786	788	786	789	74
15°	677	678	682	684	688	189
25°	508	513	522	530	535	233
35°	348	354	367	374	378	218
45°	228	233	243	247	250	177
55°	141	142	148	145	144	126
65°	68	72	78	74	71	69
75°	23	23	21	18	17	25
85°	1	1	0	0	0	3
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	800.5	800.5	800.5	800.5	800.5
1°	799.1	800.5	801.9	799.1	800.5
2°	797.7	799.1	799.1	797.7	800.5
3°	794.8	796.2	796.2	794.8	797.7
4°	790.6	792.0	792.0	790.6	793.4
5°	784.9	786.3	787.7	786.3	789.1
6°	779.2	780.6	782.0	780.6	782.0
7°	770.6	773.5	773.5	773.5	776.3
8°	762.1	765.0	766.4	765.0	767.8
9°	753.6	755.0	756.4	756.4	759.3
10°	743.6	745.1	745.1	746.5	749.3
11°	732.3	732.3	735.1	735.1	739.4
12°	718.0	719.5	722.3	723.7	726.6
13°	705.2	706.7	709.5	710.9	715.2
14°	691.0	693.9	696.7	698.1	702.4
15°	676.8	678.2	682.5	683.9	688.2
17.5°	637.0	638.4	645.5	648.4	652.6
20°	594.3	598.6	605.7	610.0	614.2
22.5°	550.3	554.5	563.1	570.2	573.0
25°	507.6	513.3	521.8	530.4	534.6
27.5°	464.9	470.6	480.6	489.1	494.8
30°	423.7	429.4	440.8	447.9	453.6
32.5°	385.3	391.0	403.8	410.9	415.2
35°	348.4	354.0	366.8	374.0	378.2
37.5°	315.7	321.3	332.7	339.8	342.7
40°	281.5	288.6	300.0	307.1	310.0
42.5°	253.1	258.8	270.2	275.8	280.1
45°	227.5	233.2	243.1	247.4	250.2
47.5°	204.7	207.6	216.1	217.5	220.4
50°	182.0	184.8	190.5	192.0	190.5
52.5°	160.7	163.5	167.8	166.4	166.4
55°	140.8	142.2	147.9	145.0	143.6
57.5°	120.9	123.7	129.4	125.1	123.7
60°	103.8	106.6	110.9	108.1	105.2
62.5°	86.7	88.2	95.3	89.6	86.7
65°	68.2	72.5	78.2	73.9	71.1
67.5°	51.2	58.3	64.0	58.3	55.5
70°	39.8	42.7	46.9	44.1	39.8
72.5°	29.9	31.3	32.7	29.9	27.0
75°	22.7	22.7	21.3	18.5	17.1
77.5°	15.6	15.6	12.8	8.5	8.5
80°	10.0	10.0	7.1	2.8	2.8
82.5°	4.3	4.3	2.8	1.4	1.4
85°	1.4	1.4	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)