Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P1312362

Luminaire Tested: P3SQAS09R709727DE010 E3SQCLSWW1MW

Issue Date: 1/29/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1312362
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-71)
Test Lab:	INNOVATION CENTER
Issue Date:	1/29/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	IRiS
Catalog Number:	P3SQAS09R709727DE010 E3SQCLSWW1MW
Description:	3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , E3SQCLSWW1MW TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	296.0 lumens
Efficiency:	N/A
Efficacy:	26.7 lumens/watt
Spacing Criteria (0/90/45):	1.58 / 1 / 1.33
Luminous Opening:	Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type:	Direct

Input Watts (W):	11.1
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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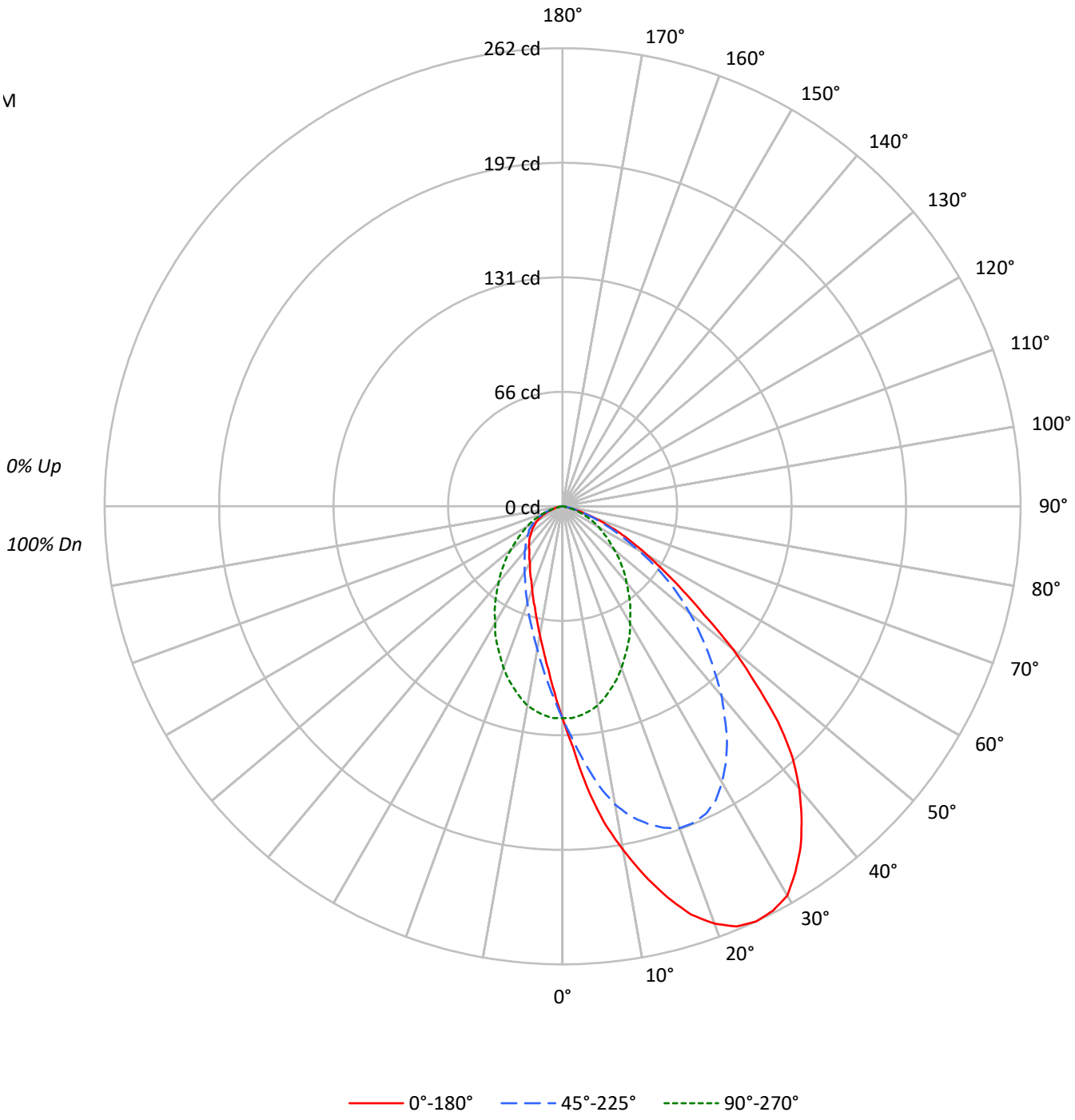
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			20
RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	88
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	76
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	75	71	68	66
4	87	76	68	62	85	75	68	62	73	66	61	70	65	60	68	64	60	58
5	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	53	51
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	45
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	40
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	36
9	61	48	40	35	59	48	40	35	46	40	35	45	39	35	44	39	35	33
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	20873	20873	20873	20873	20873
5°	27937	25500	20746	17357	16182
10°	34888	30289	20234	14550	13063
15°	41258	33502	19203	12445	10805
20°	46552	35904	18053	10777	9310
25°	49787	36865	16741	9539	8266
30°	51128	36273	15333	8651	7418
35°	49933	34480	14149	7968	6959
40°	47347	31790	12792	7576	6745
45°	42477	28618	11618	7307	6552
50°	34108	25427	10342	7047	6243
55°	25192	21859	9188	6996	6065
60°	19392	17084	8232	6751	5890
65°	14711	12714	7254	6235	5257
70°	9869	8963	5539	5539	4330
75°	5323	5323	3660	3660	3261
80°	1190	2380	1785	2380	3075
85°	0	1186	1186	2371	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 42477 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.0	4.0
10°-20°	36.3	12.3
20°-30°	56.0	18.9
30°-40°	63.5	21.5
40°-50°	57.5	19.4
50°-60°	40.2	13.6
60°-70°	22.1	7.5
70°-80°	7.4	2.5
80°-90°	1.0	0.3
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°	104.3	35.2
0°-40°	167.8	56.7
0°-60°	265.5	89.7
0°-90°	296.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	296.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	121	121	121	121	121	
5°	162	148	120	100	94	17
15°	231	188	108	70	61	66
25°	262	194	88	50	44	120
35°	238	164	67	38	33	148
45°	174	118	48	30	27	132
55°	84	73	31	23	20	77
65°	36	31	18	15	13	36
75°	8	8	6	6	5	9
85°	0	1	1	1	1	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	*121.2*	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2
2.5°	*138.3*	139.6	140.2	138.9	138.3	137.7	136.5	135.9	134.7	133.4	132.8
5°	*161.6*	161.6	161.6	160.4	158.5	157.3	154.9	153.0	150.0	147.5	145.1
7.5°	*182.4*	182.4	181.8	179.9	178.7	175.7	172.6	170.2	165.3	161.6	156.7
10°	*199.5*	199.5	198.9	195.9	194.0	190.4	187.3	183.0	178.1	173.2	167.7
12.5°	*216.1*	216.1	213.6	211.2	207.5	202.6	198.3	194.0	187.3	181.8	175.1
15°	*231.4*	231.4	230.1	225.9	221.0	215.5	209.3	203.2	195.3	187.9	180.6
17.5°	*244.8*	244.2	242.4	237.5	232.6	225.9	218.5	211.2	201.4	192.8	183.6
20°	*254.0*	254.0	251.6	246.1	240.5	233.2	225.2	216.7	206.3	195.9	184.8
22.5°	*260.1*	259.5	257.1	251.6	244.8	237.5	228.3	219.1	207.5	195.9	184.2
25°	*262.0*	*261.4*	*258.9*	*252.8*	*246.1*	*238.1*	*228.3*	*218.5*	*206.3*	*194.0*	*181.2*
27.5°	*260.7*	260.1	257.7	251.0	244.2	235.0	225.2	214.8	202.6	189.7	176.9
30°	*257.1*	255.2	252.8	246.7	239.3	230.1	219.7	208.1	195.9	182.4	169.5
32.5°	*247.9*	247.9	244.8	238.7	231.4	221.6	211.2	200.1	186.7	173.8	160.4
35°	*237.5*	236.9	234.4	227.7	221.0	211.8	201.4	189.7	176.9	164.0	151.2
37.5°	*224.6*	224.0	221.6	215.5	208.1	199.5	188.5	177.5	165.3	152.4	140.8
40°	*210.6*	209.3	206.3	201.4	195.3	185.5	175.7	164.6	153.0	141.4	129.8
42.5°	*194.6*	193.4	191.0	187.3	179.9	171.4	162.2	151.8	140.8	129.1	120.6
45°	*174.4*	174.4	173.2	169.5	164.0	157.3	147.5	138.3	127.9	117.5	108.3
47.5°	*149.3*	150.6	150.0	148.1	145.7	139.6	132.8	124.9	115.1	105.9	97.3
50°	*127.3*	127.9	128.5	127.3	125.5	121.2	116.9	112.0	103.4	94.9	86.9
52.5°	*102.2*	104.1	104.1	104.7	104.7	103.4	102.2	96.7	92.4	83.9	76.5
55°	*83.9*	83.9	83.9	85.1	85.7	86.3	85.1	83.9	79.0	72.8	66.1
57.5°	*68.6*	68.6	69.8	69.2	69.2	70.4	70.4	69.8	66.7	61.2	55.1
60°	*56.3*	56.3	56.3	56.3	56.9	56.9	56.9	56.9	54.5	49.6	44.7
62.5°	*45.3*	45.3	45.3	45.9	45.9	45.9	46.5	45.9	43.5	39.8	35.5
65°	*36.1*	35.5	36.1	36.1	36.7	36.7	36.7	36.1	33.7	31.2	28.2
67.5°	*26.9*	27.5	27.5	27.5	28.2	28.8	28.2	27.5	25.7	23.3	22.0
70°	*19.6*	20.2	20.2	20.2	20.8	21.4	20.8	20.2	19.0	17.8	16.5
72.5°	*12.9*	13.5	13.5	14.1	14.7	14.7	14.1	14.1	13.5	12.2	11.6
75°	*8.0*	8.0	8.6	8.6	9.2	9.2	9.2	8.6	8.6	8.0	8.0
77.5°	*3.7*	3.7	4.3	4.3	4.3	4.9	4.9	4.9	4.9	4.9	4.3
80°	*1.2*	1.2	1.2	1.2	1.2	1.8	1.8	1.8	2.4	2.4	2.4
82.5°	*0.6*	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.2
85°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
87.5°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2
2.5°	131.6	129.8	127.3	121.2	115.1	110.2	107.1	106.5
5°	142.0	138.9	133.4	120.0	108.9	100.4	95.5	93.6
7.5°	152.4	146.9	138.9	118.1	101.6	91.2	85.7	83.2
10°	161.0	154.2	143.8	115.7	95.5	83.2	76.5	74.7
12.5°	167.7	159.8	146.9	112.0	89.4	75.9	69.2	67.3
15°	172.0	163.4	148.7	107.7	83.2	69.8	63.0	60.6
17.5°	173.8	163.4	148.1	103.4	77.7	64.3	57.5	55.7
20°	173.8	162.2	146.3	98.5	72.2	58.8	52.6	50.8
22.5°	172.0	159.8	142.0	93.0	67.3	54.5	48.4	46.5
25°	*168.3*	*154.9*	*137.1*	*88.1*	*62.4*	*50.2*	*44.7*	*43.5*
27.5°	162.8	149.3	131.0	83.2	58.1	46.5	41.6	40.4
30°	156.1	142.6	124.3	77.1	53.9	43.5	39.2	37.3
32.5°	147.5	134.7	116.9	72.2	50.2	40.4	36.7	35.5
35°	138.3	126.7	108.9	67.3	46.5	37.9	34.3	33.1
37.5°	129.1	116.9	102.2	61.8	43.5	35.5	32.4	31.2
40°	119.4	110.2	94.9	56.9	41.0	33.7	30.6	30.0
42.5°	109.6	99.8	84.5	52.6	37.9	31.2	28.8	28.2
45°	97.9	88.8	76.5	47.7	35.5	30.0	27.5	26.9
47.5°	88.1	79.6	68.6	43.5	33.1	28.2	25.7	25.1
50°	79.0	70.4	60.0	38.6	30.6	26.3	24.5	23.3
52.5°	68.6	61.2	52.0	34.3	28.2	24.5	22.6	22.0
55°	59.4	52.0	43.5	30.6	25.7	23.3	20.8	20.2
57.5°	49.0	42.8	36.7	26.9	23.3	20.8	19.6	18.4
60°	39.8	35.5	31.2	23.9	20.8	19.6	17.8	17.1
62.5°	32.4	29.4	26.3	20.8	18.4	17.1	15.9	14.7
65°	25.7	23.9	21.4	17.8	15.9	15.3	14.1	12.9
67.5°	20.2	19.0	17.1	14.1	13.5	12.9	11.6	10.4
70°	15.3	14.7	13.5	11.0	10.4	11.0	9.8	8.6
72.5°	11.0	10.4	9.8	8.0	8.0	8.0	7.3	6.1
75°	7.3	6.7	6.1	5.5	5.5	5.5	5.5	4.9
77.5°	4.3	4.3	3.7	3.1	3.7	3.7	4.3	4.3
80°	1.8	1.8	1.8	1.8	2.4	2.4	3.1	3.1
82.5°	1.2	1.2	1.2	1.2	1.8	1.8	1.8	1.8
85°	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.2
87.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)