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: P1312695

Luminaire Tested: P3SQAS20R159727D010 E3SQCD1MMS

Issue Date: 1/29/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1312695
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)
Test Lab:	INNOVATION CENTER
Issue Date:	1/29/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	IRiS
Catalog Number:	P3SQAS20R159727D010 E3SQCD1MMS
Description:	3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 97CRI , E3SQCD1MMS TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1789.0 lumens
Efficiency:	N/A
Efficacy:	62.1 lumens/watt
Spacing Criteria (0/90/45):	0.29 / 0.29 / 0.29
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

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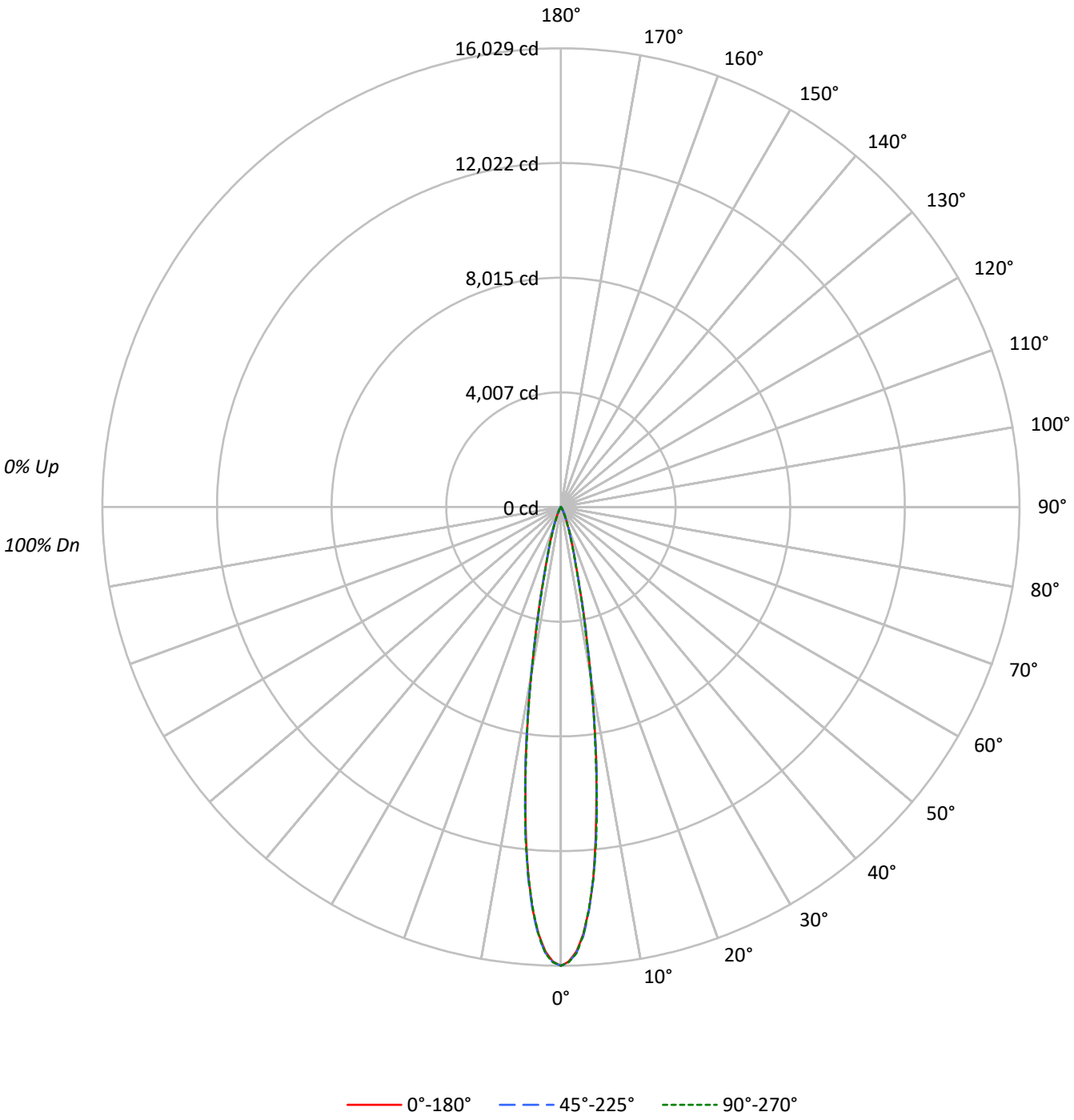
Luminous Intensity Polar Plot



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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	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	90
6	103	97	94	92	102	97	94	91	96	93	91	94	92	90	93	91	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	88	92	90	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	90	88	87	86
9	97	92	88	86	96	91	88	86	90	88	86	90	87	85	89	87	85	84
10	95	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2760626	2760626	2760626
5°	2247654	2255001	2250593
10°	1048490	1057881	1044520
15°	329245	332027	329994
20°	130456	135642	126295
25°	52694	63735	50813
30°	21100	28975	19986
35°	6244	12783	5950
40°	1911	4766	1596
45°	341	1023	341
50°	0	375	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
Vertical Angle: 45°
Luminance: 1023 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1003.6	56.1
10°-20°	600.2	33.6
20°-30°	151.4	8.5
30°-40°	30.9	1.7
40°-50°	2.9	0.2
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	1755.2	98.1
0°-40°	1786.1	99.8
0°-60°	1789.0	100.0
0°-90°	1789.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1789.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	16029	16029	16029	16029	16029	
5°	13001	12977	13044	13011	13018	1001
15°	1847	1862	1862	1835	1851	600
25°	277	303	335	297	267	143
35°	30	40	61	38	28	25
45°	1	3	4	3	1	2
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	*16029.4*	*16029.4*	*16029.4*	*16029.4*	*16029.4*
1°	*15885.0*	15938.8	15910.5	15933.2	15907.7
2°	*15541.2*	15613.4	15590.7	15583.6	15603.5
3°	*14935.6*	15019.0	15016.2	14995.0	14961.0
4°	*14109.2*	14075.2	14127.6	14121.9	14063.9
5°	*13001.2*	12977.2	13043.7	13011.1	13018.2
6°	*11645.6*	11750.3	11727.7	11730.5	11757.4
7°	*10189.6*	10246.2	10294.3	10333.9	10278.7
8°	*8852.4*	8838.2	8842.5	8887.8	8734.9
9°	*7355.3*	7443.0	7386.4	7295.9	7353.9
10°	*5995.5*	6049.2	6049.2	5970.0	5972.8
11°	*4779.9*	4823.8	4792.7	4812.5	4688.0
12°	*3853.1*	3744.1	3718.7	3738.5	3737.1
13°	*2941.8*	2948.9	2941.8	2940.4	2926.3
14°	*2306.5*	2343.3	2327.7	2289.5	2272.5
15°	*1846.6*	1862.2	1862.2	1835.3	1850.8
17.5°	*1109.4*	1127.8	1132.0	1113.6	1113.6
20°	*711.8*	720.2	740.1	713.2	689.1
22.5°	*438.7*	457.1	491.0	451.4	431.6
25°	*277.3*	302.8	335.4	297.2	267.4
27.5°	*174.0*	195.3	223.6	186.8	168.4
30°	*106.1*	120.3	145.7	117.4	100.5
32.5°	*59.4*	70.8	92.0	67.9	56.6
35°	*29.7*	39.6	60.8	38.2	28.3
37.5°	*17.0*	21.2	38.2	18.4	15.6
40°	*8.5*	11.3	21.2	11.3	7.1
42.5°	*2.8*	5.7	8.5	5.7	2.8
45°	*1.4*	2.8	4.2	2.8	1.4
47.5°	*0.0*	0.0	1.4	0.0	0.0
50°	*0.0*	0.0	1.4	0.0	0.0
52.5°	*0.0*	0.0	0.0	0.0	0.0
55°	*0.0*	0.0	0.0	0.0	0.0
57.5°	*0.0*	0.0	0.0	0.0	0.0
60°	*0.0*	0.0	0.0	0.0	0.0
62.5°	*0.0*	0.0	0.0	0.0	0.0
65°	*0.0*	0.0	0.0	0.0	0.0
67.5°	*0.0*	0.0	0.0	0.0	0.0
70°	*0.0*	0.0	0.0	0.0	0.0
72.5°	*0.0*	0.0	0.0	0.0	0.0
75°	*0.0*	0.0	0.0	0.0	0.0
77.5°	*0.0*	0.0	0.0	0.0	0.0
80°	*0.0*	0.0	0.0	0.0	0.0
82.5°	*0.0*	0.0	0.0	0.0	0.0
85°	*0.0*	0.0	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)