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: P1311903

Luminaire Tested: P3SQAS02R159727DE010 E3SQPH1MW

Issue Date: 1/29/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1311903
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)
Test Lab:	INNOVATION CENTER
Issue Date:	1/29/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	IRiS
Catalog Number:	P3SQAS02R159727DE010 E3SQPH1MW
Description:	3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 97CRI , E3SQPH1MW TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	204.0 lumens
Efficiency:	N/A
Efficacy:	56.7 lumens/watt
Spacing Criteria (0/90/45):	0.28 / 0.29 / 0.28
Luminous Opening:	Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type:	Direct

Input Watts (W):	3.6
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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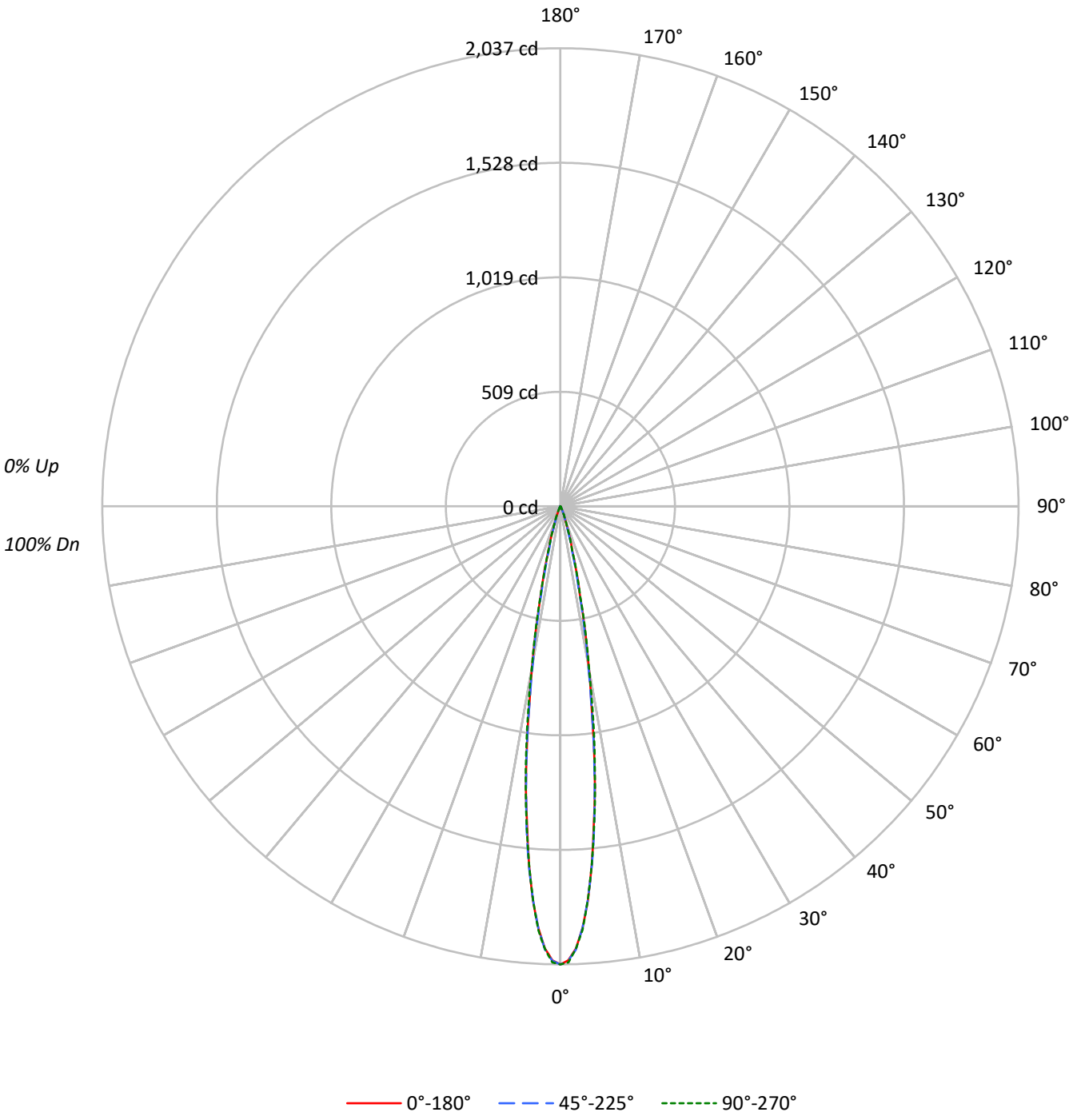
Luminous Intensity Polar Plot



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	350869	350869	350869
5°	276764	277508	276522
10°	126630	123308	129306
15°	37657	33609	36890
20°	11180	10850	11748
25°	3173	4105	3687
30°	1134	1213	1094
35°	420	378	378
40°	180	90	135
45°	97	49	97
50°	54	0	54
55°	60	0	60
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: 0°
Vertical Angle: 47.5°
Luminance: 102 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.1	60.3
10°-20°	68.3	33.5
20°-30°	10.9	5.3
30°-40°	1.4	0.7
40°-50°	0.2	0.1
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°	202.3	99.2
0°-40°	203.7	99.9
0°-60°	204.0	100.0
0°-90°	204.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	204.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2037	2037	2037	2037	2037	
5°	1601	1614	1605	1598	1600	123
15°	211	208	188	200	207	70
25°	17	19	22	22	19	10
35°	2	2	2	2	2	2
45°	0	0	0	0	0	0
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°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2037.3	2037.3	2037.3	2037.3	2037.3	2037.3	2037.3	2037.3	2037.3	2037.3	2037.3
1°	2019.8	2022.0	2024.9	2022.2	2019.8	2022.0	2019.0	2019.4	2016.9	2022.2	2028.2
2°	1968.4	1971.2	1969.6	1965.9	1971.6	1972.1	1965.7	1962.7	1962.3	1967.6	1969.6
3°	1877.4	1883.9	1884.1	1882.9	1881.1	1877.4	1870.9	1875.1	1869.2	1865.6	1886.4
4°	1756.4	1762.1	1768.9	1764.4	1750.9	1752.1	1756.4	1741.9	1742.7	1751.1	1751.7
5°	1600.9	1618.3	1619.1	1612.8	1602.2	1605.2	1602.2	1598.1	1599.5	1604.8	1599.5
6°	1417.9	1437.5	1423.0	1436.9	1433.8	1437.7	1438.7	1434.5	1437.5	1434.3	1433.2
7°	1259.8	1244.9	1247.0	1241.3	1247.4	1251.5	1253.9	1246.6	1252.5	1261.9	1264.5
8°	1063.8	1059.5	1055.2	1065.4	1062.5	1067.4	1070.5	1078.7	1078.2	1081.1	1090.5
9°	877.1	883.4	887.3	878.3	886.1	871.0	876.3	898.1	892.4	898.1	914.8
10°	724.1	729.2	723.5	723.2	715.1	705.1	704.5	712.6	729.8	743.2	739.4
12.5°	399.5	404.0	404.6	404.2	389.5	372.9	376.0	382.5	393.1	397.6	405.0
15°	211.2	211.0	213.2	206.9	199.1	188.5	189.3	198.3	206.3	208.3	206.9
17.5°	108.3	108.7	110.4	108.7	100.6	101.6	103.8	104.9	109.6	111.4	110.4
20°	61.0	61.2	61.0	61.6	58.3	59.2	62.0	62.2	63.2	64.3	64.1
22.5°	34.9	35.1	36.3	35.9	35.1	36.1	36.7	37.7	38.2	37.7	39.0
25°	16.7	16.9	16.9	19.4	20.6	21.6	22.0	21.6	21.2	19.6	19.4
27.5°	9.6	9.6	10.0	10.2	10.6	12.4	12.2	10.2	8.6	8.6	8.8
30°	5.7	5.5	5.5	5.7	5.9	6.1	5.7	5.5	5.5	5.7	5.5
32.5°	3.5	3.5	3.5	3.3	3.3	3.1	3.1	3.5	3.5	3.5	3.5
35°	2.0	2.0	2.0	2.0	1.8	1.8	1.8	2.0	2.0	1.8	1.8
37.5°	1.2	1.2	1.2	1.0	1.0	0.8	1.0	1.0	1.0	1.0	1.0
40°	0.8	0.8	0.6	0.6	0.4	0.4	0.4	0.6	0.6	0.6	0.6
42.5°	0.6	0.6	0.4	0.4	0.2	0.2	0.2	0.4	0.4	0.4	0.4
45°	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4
47.5°	0.4	0.4	0.2	0.2	0.0	0.0	0.0	0.2	0.2	0.2	0.2
50°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
52.5°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
55°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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

(END OF REPORT)