

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: P#

Luminaire Tested: P3ART24R709050D010 E3LDWW1GPH

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART24R709050D010 E3LDWW1GPH
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , E3LDWW1GPH TRIM
Light Source: -
Ballast/Driver: -

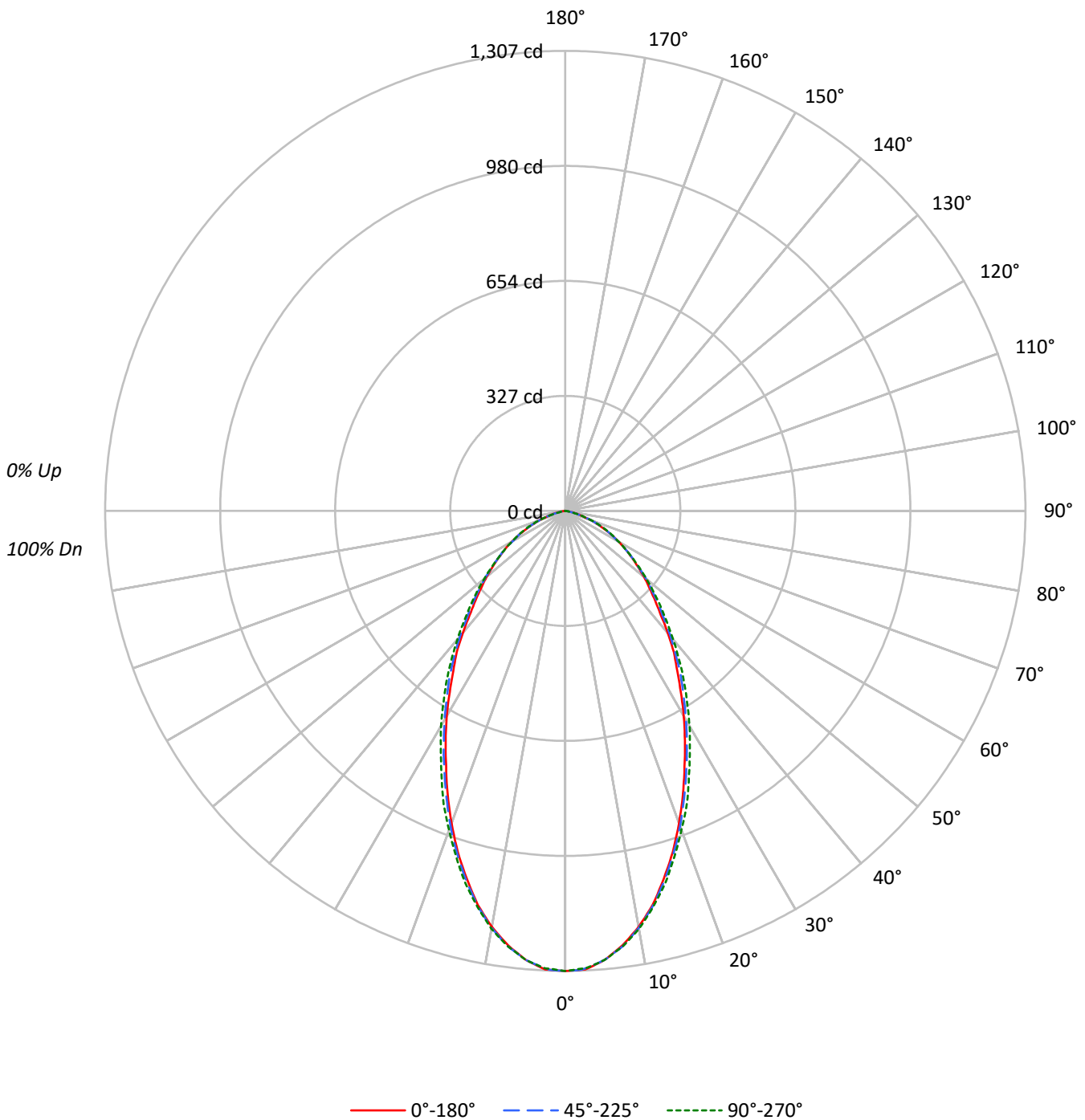
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1821.0 lumens
Efficiency: N/A
Efficacy: 63.2 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.89 / 0.97
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
Input Voltage (V): NR
Input Current (A_{in}): 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		0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89	89	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78	78	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69	69	69
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	61	61	61
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	55	55	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	50	50	50
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	45	45	45
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	41	41	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	38	38	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	35	35	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	286688	286688	286688
5°	281883	281883	281883
10°	267241	267909	268554
15°	245427	246766	248787
20°	220309	222386	225163
25°	193826	196705	201036
30°	170431	173444	178711
35°	148275	153066	157055
40°	129586	132992	136398
45°	111764	115454	118214
50°	99579	101592	102615
55°	87662	88809	88809
60°	77055	75740	77055
65°	63353	64910	66466
70°	49624	49624	51547
75°	32788	30246	30246
80°	18816	15027	11239
85°	7548	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 118214 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.8	6.6
10°-20°	303.6	16.7
20°-30°	374.5	20.6
30°-40°	356.8	19.6
40°-50°	288.7	15.9
50°-60°	207.9	11.4
60°-70°	124.5	6.8
70°-80°	41.7	2.3
80°-90°	3.6	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°	797.8	43.8
0°-40°	1154.7	63.4
0°-60°	1651.3	90.7
0°-90°	1821.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1821.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1307	1307	1307	1307	1307	
5°	1281	1281	1281	1281	1281	120
15°	1081	1083	1087	1091	1096	302
25°	801	806	813	826	831	369
35°	554	558	572	582	587	348
45°	360	366	372	379	381	281
55°	229	229	232	232	232	206
65°	122	125	125	128	128	122
75°	39	39	36	36	36	43
85°	3	3	0	0	0	5
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°	1307.4	1307.4	1307.4	1307.4	1307.4	1307.4	1307.4	1307.4	1307.4	1307.4	1307.4
2°	1304.4	1304.4	1304.4	1304.4	1304.4	1304.4	1304.4	1304.4	1304.4	1304.4	1301.4
2.5°	1304.4	1301.4	1301.4	1301.4	1301.4	1301.4	1301.4	1301.4	1301.4	1304.4	1301.4
5°	1280.6	1280.6	1280.6	1280.6	1280.6	1280.6	1280.6	1280.6	1283.6	1280.6	1280.6
7.5°	1244.9	1244.9	1244.9	1244.9	1247.8	1247.8	1247.8	1247.8	1250.8	1250.8	1247.8
10°	1200.2	1200.2	1200.2	1200.2	1203.2	1203.2	1206.1	1203.2	1203.2	1206.1	1206.1
12.5°	1146.6	1143.6	1143.6	1143.6	1146.6	1149.6	1149.6	1149.6	1152.5	1152.5	1152.5
15°	1081.1	1081.1	1081.1	1084.0	1084.0	1087.0	1090.0	1090.0	1093.0	1093.0	1095.9
17.5°	1015.5	1015.5	1012.6	1015.5	1018.5	1021.5	1024.5	1027.5	1030.4	1030.4	1030.4
20°	944.1	941.1	944.1	947.0	950.0	953.0	956.0	961.9	964.9	964.9	964.9
22.5°	872.6	869.6	872.6	875.6	878.5	881.5	890.5	893.4	896.4	896.4	902.4
25°	801.1	801.1	804.1	807.1	810.0	813.0	819.0	824.9	827.9	830.9	830.9
27.5°	735.6	735.6	735.6	735.6	741.6	747.5	753.5	759.4	762.4	765.4	765.4
30°	673.1	670.1	670.1	673.1	679.0	685.0	690.9	696.9	699.9	702.8	705.8
32.5°	610.5	610.5	610.5	613.5	616.5	625.4	631.4	634.3	640.3	643.3	643.3
35°	553.9	553.9	553.9	559.9	565.8	571.8	574.8	580.7	586.7	586.7	586.7
37.5°	506.3	509.3	515.2	512.2	512.2	515.2	518.2	524.1	530.1	530.1	530.1
40°	452.7	455.7	458.6	455.7	458.6	464.6	467.6	470.5	473.5	476.5	476.5
42.5°	402.0	402.0	402.0	405.0	411.0	414.0	419.9	422.9	425.9	425.9	425.9
45°	360.4	360.4	363.3	366.3	369.3	372.3	375.2	378.2	381.2	381.2	381.2
47.5°	324.6	324.6	327.6	327.6	330.6	333.5	336.5	336.5	339.5	342.5	339.5
50°	291.9	291.9	291.9	294.8	294.8	297.8	297.8	300.8	300.8	300.8	300.8
52.5°	259.1	259.1	259.1	259.1	262.1	262.1	262.1	265.1	265.1	265.1	265.1
55°	229.3	229.3	229.3	229.3	229.3	232.3	232.3	232.3	232.3	232.3	232.3
57.5°	202.5	202.5	202.5	202.5	202.5	202.5	202.5	202.5	202.5	202.5	202.5
60°	175.7	175.7	175.7	175.7	175.7	172.7	175.7	175.7	175.7	175.7	175.7
62.5°	148.9	148.9	148.9	148.9	148.9	148.9	148.9	151.9	151.9	151.9	151.9
65°	122.1	125.1	125.1	125.1	125.1	125.1	125.1	128.1	128.1	128.1	128.1
67.5°	98.3	101.3	101.3	101.3	101.3	101.3	101.3	101.3	104.2	104.2	104.2
70°	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	80.4
72.5°	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	56.6	56.6	56.6
75°	38.7	38.7	38.7	38.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
77.5°	26.8	26.8	26.8	23.8	23.8	20.8	20.8	20.8	20.8	20.8	17.9
80°	14.9	14.9	14.9	14.9	14.9	11.9	11.9	8.9	8.9	8.9	8.9
82.5°	8.9	8.9	8.9	6.0	6.0	6.0	6.0	3.0	3.0	3.0	3.0
85°	3.0	3.0	3.0	3.0	3.0	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)