

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: P3ART20R709050D010 E3LDWW1MW

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: P3ART20R709050D010 E3LDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , E3LDWW1MW TRIM
Light Source: -
Ballast/Driver: -

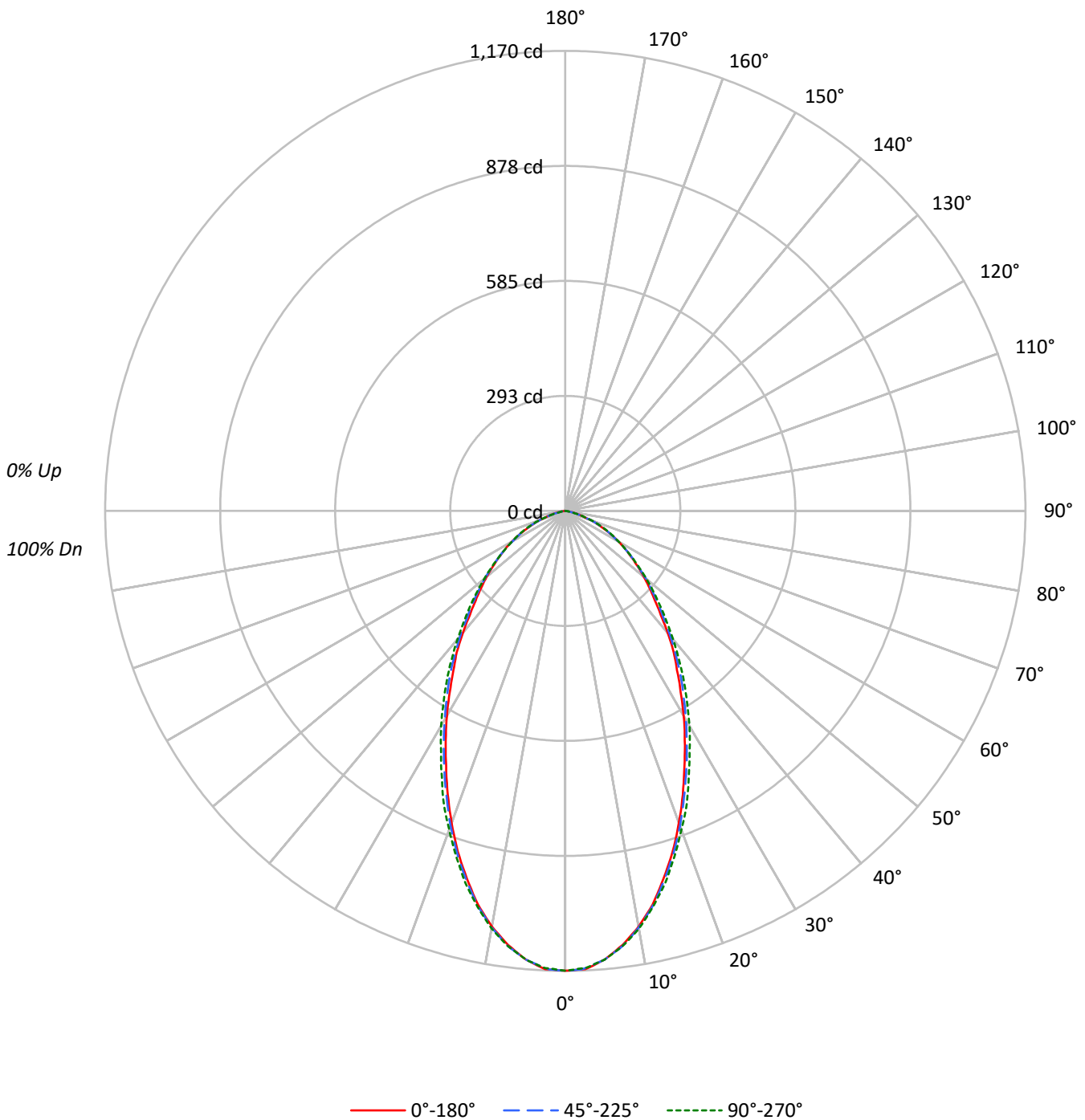
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1629.0 lumens
Efficiency: N/A
Efficacy: 56.6 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°	256449	256449	256449
5°	252168	252168	252168
10°	239051	239653	240254
15°	219547	220750	222567
20°	197067	198934	201431
25°	173381	175970	179841
30°	152454	155138	159873
35°	132642	136925	140485
40°	115903	118966	122029
45°	99979	103267	105747
50°	89072	90880	91801
55°	78411	79443	79443
60°	68942	67758	68942
65°	56660	58061	59462
70°	44431	44431	46098
75°	29314	27112	27112
80°	16795	13512	10102
85°	6793	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 105747 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.1	6.6
10°-20°	271.6	16.7
20°-30°	335.0	20.6
30°-40°	319.2	19.6
40°-50°	258.2	15.9
50°-60°	186.0	11.4
60°-70°	111.4	6.8
70°-80°	37.3	2.3
80°-90°	3.2	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°	713.7	43.8
0°-40°	1032.9	63.4
0°-60°	1477.2	90.7
0°-90°	1629.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1629.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1170	1170	1170	1170	1170	
5°	1146	1146	1146	1146	1146	107
15°	967	969	972	976	980	270
25°	717	721	727	739	743	330
35°	496	500	512	521	525	311
45°	322	327	333	339	341	251
55°	205	205	208	208	208	185
65°	109	112	112	115	115	110
75°	35	35	32	32	32	39
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°	1169.5	1169.5	1169.5	1169.5	1169.5	1169.5	1169.5	1169.5	1169.5	1169.5	1169.5
2°	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9	1164.2
2.5°	1166.9	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1166.9	1164.2
5°	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6	1148.2	1145.6	1145.6
7.5°	1113.6	1113.6	1113.6	1113.6	1116.3	1116.3	1116.3	1116.3	1118.9	1118.9	1116.3
10°	1073.6	1073.6	1073.6	1073.6	1076.3	1076.3	1079.0	1076.3	1076.3	1079.0	1079.0
12.5°	1025.7	1023.0	1023.0	1023.0	1025.7	1028.3	1028.3	1028.3	1031.0	1031.0	1031.0
15°	967.1	967.1	967.1	969.7	969.7	972.4	975.1	975.1	977.7	977.7	980.4
17.5°	908.5	908.5	905.8	908.5	911.1	913.8	916.5	919.1	921.8	921.8	921.8
20°	844.5	841.9	844.5	847.2	849.9	852.5	855.2	860.5	863.2	863.2	863.2
22.5°	780.6	777.9	780.6	783.2	785.9	788.6	796.6	799.2	801.9	801.9	807.2
25°	716.6	716.6	719.3	722.0	724.6	727.3	732.6	738.0	740.6	743.3	743.3
27.5°	658.0	658.0	658.0	658.0	663.4	668.7	674.0	679.3	682.0	684.7	684.7
30°	602.1	599.4	599.4	602.1	607.4	612.7	618.1	623.4	626.1	628.7	631.4
32.5°	546.1	546.1	546.1	548.8	551.5	559.5	564.8	567.5	572.8	575.4	575.4
35°	495.5	495.5	495.5	500.9	506.2	511.5	514.2	519.5	524.8	524.8	524.8
37.5°	452.9	455.6	460.9	458.2	458.2	460.9	463.6	468.9	474.2	474.2	474.2
40°	404.9	407.6	410.3	407.6	410.3	415.6	418.3	420.9	423.6	426.3	426.3
42.5°	359.7	359.7	359.7	362.3	367.6	370.3	375.6	378.3	381.0	381.0	381.0
45°	322.4	322.4	325.0	327.7	330.4	333.0	335.7	338.3	341.0	341.0	341.0
47.5°	290.4	290.4	293.1	293.1	295.7	298.4	301.0	301.0	303.7	306.4	303.7
50°	261.1	261.1	261.1	263.7	263.7	266.4	266.4	269.1	269.1	269.1	269.1
52.5°	231.8	231.8	231.8	231.8	234.4	234.4	234.4	237.1	237.1	237.1	237.1
55°	205.1	205.1	205.1	205.1	205.1	207.8	207.8	207.8	207.8	207.8	207.8
57.5°	181.2	181.2	181.2	181.2	181.2	181.2	181.2	181.2	181.2	181.2	181.2
60°	157.2	157.2	157.2	157.2	157.2	154.5	157.2	157.2	157.2	157.2	157.2
62.5°	133.2	133.2	133.2	133.2	133.2	133.2	133.2	135.9	135.9	135.9	135.9
65°	109.2	111.9	111.9	111.9	111.9	111.9	111.9	114.6	114.6	114.6	114.6
67.5°	87.9	90.6	90.6	90.6	90.6	90.6	90.6	90.6	93.2	93.2	93.2
70°	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	71.9
72.5°	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	50.6	50.6	50.6
75°	34.6	34.6	34.6	34.6	32.0	32.0	32.0	32.0	32.0	32.0	32.0
77.5°	24.0	24.0	24.0	21.3	21.3	18.6	18.6	18.6	18.6	18.6	16.0
80°	13.3	13.3	13.3	13.3	13.3	10.7	10.7	8.0	8.0	8.0	8.0
82.5°	8.0	8.0	8.0	5.3	5.3	5.3	5.3	2.7	2.7	2.7	2.7
85°	2.7	2.7	2.7	2.7	2.7	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)