

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: P3ART20R709850D010 E3CLDWW1MW

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: P3ART20R709850D010 E3CLDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 98CRI , E3CLDWW1MW TRIM
Light Source: -
Ballast/Driver: -

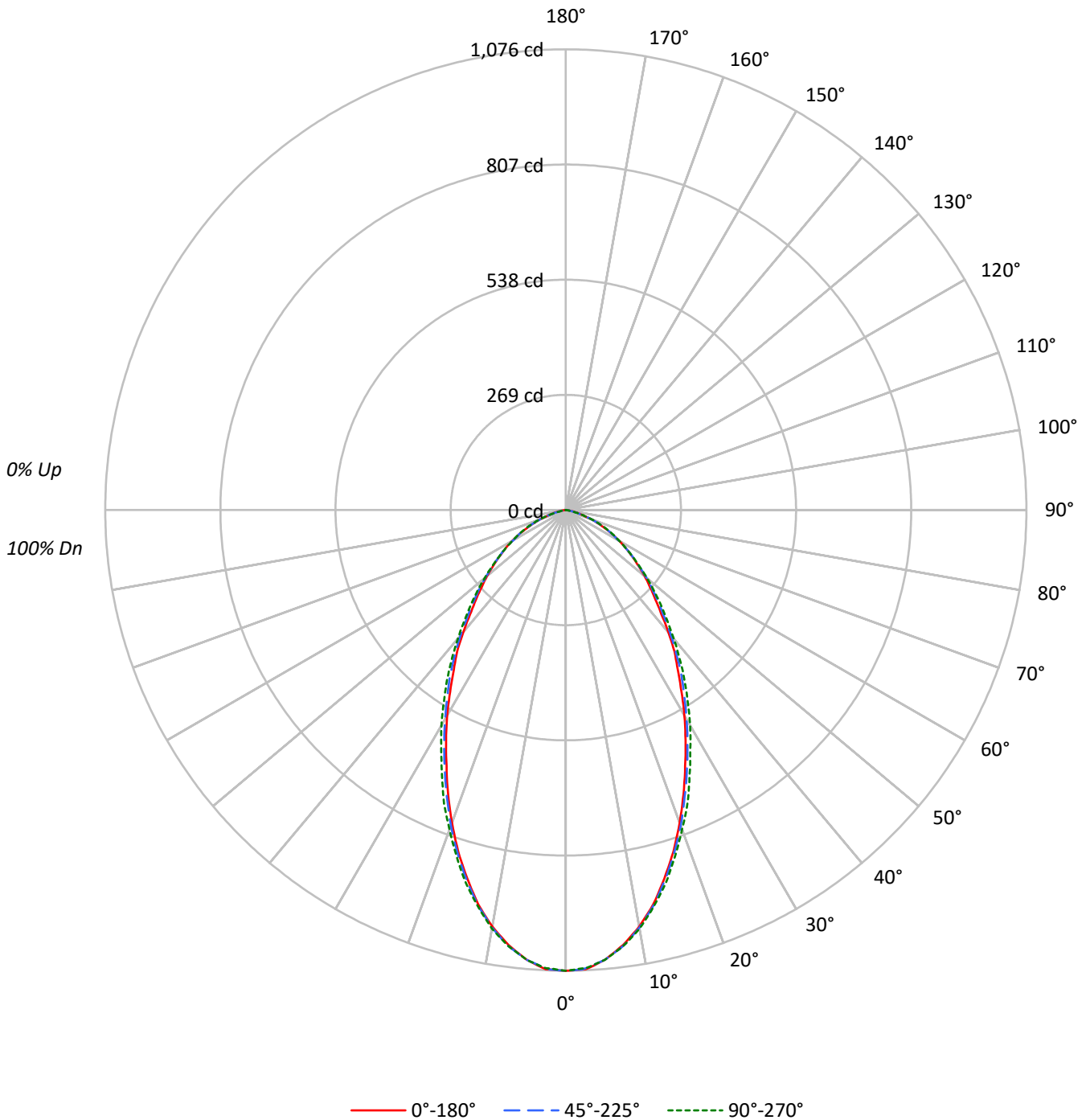
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1499.0 lumens
Efficiency: N/A
Efficacy: 54.7 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): 27.4
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	
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	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	61
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	50
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	45
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	235990	235990	235990
5°	232027	232027	232027
10°	219991	220526	221083
15°	202022	203134	204814
20°	181339	183066	185353
25°	159566	161937	165493
30°	140275	142756	147111
35°	122068	126003	129269
40°	106657	109462	112267
45°	91979	95018	97312
50°	81942	83648	84466
55°	72179	73097	73097
60°	63416	62363	63416
65°	52146	53443	54688
70°	40840	40840	42443
75°	27027	24909	24909
80°	15532	12375	9345
85°	6290	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 97312 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.6	6.6
10°-20°	249.9	16.7
20°-30°	308.2	20.6
30°-40°	293.7	19.6
40°-50°	237.6	15.9
50°-60°	171.2	11.4
60°-70°	102.5	6.8
70°-80°	34.3	2.3
80°-90°	2.9	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°	656.8	43.8
0°-40°	950.5	63.4
0°-60°	1359.3	90.7
0°-90°	1499.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1499.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1076	1076	1076	1076	1076	
5°	1054	1054	1054	1055	1054	98
15°	890	892	895	898	902	249
25°	660	664	669	680	684	303
35°	456	460	471	479	483	287
45°	297	301	306	312	314	231
55°	189	189	191	191	191	170
65°	100	103	103	105	105	101
75°	32	32	29	29	29	36
85°	2	2	0	0	0	4
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°	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2
2°	1073.8	1073.8	1073.8	1073.8	1073.8	1073.8	1073.8	1073.8	1073.8	1073.8	1071.3
2.5°	1073.8	1071.3	1071.3	1071.3	1071.3	1071.3	1071.3	1071.3	1071.3	1073.8	1071.3
5°	1054.1	1054.1	1054.1	1054.1	1054.1	1054.1	1054.1	1054.1	1056.6	1054.1	1054.1
7.5°	1024.7	1024.7	1024.7	1024.7	1027.2	1027.2	1027.2	1027.2	1029.6	1029.6	1027.2
10°	988.0	988.0	988.0	988.0	990.4	990.4	992.9	990.4	990.4	992.9	992.9
12.5°	943.8	941.4	941.4	941.4	943.8	946.3	946.3	946.3	948.7	948.7	948.7
15°	889.9	889.9	889.9	892.3	892.3	894.8	897.3	897.3	899.7	899.7	902.2
17.5°	836.0	836.0	833.5	836.0	838.4	840.9	843.3	845.8	848.2	848.2	848.2
20°	777.1	774.7	777.1	779.6	782.0	784.5	786.9	791.8	794.3	794.3	794.3
22.5°	718.3	715.8	718.3	720.7	723.2	725.6	733.0	735.5	737.9	737.9	742.8
25°	659.5	659.5	661.9	664.4	666.8	669.3	674.2	679.1	681.5	684.0	684.0
27.5°	605.5	605.5	605.5	605.5	610.4	615.3	620.2	625.1	627.6	630.0	630.0
30°	554.0	551.6	551.6	554.0	558.9	563.8	568.7	573.7	576.1	578.6	581.0
32.5°	502.6	502.6	502.6	505.0	507.5	514.8	519.7	522.2	527.1	529.5	529.5
35°	456.0	456.0	456.0	460.9	465.8	470.7	473.1	478.0	482.9	482.9	482.9
37.5°	416.8	419.2	424.1	421.7	421.7	424.1	426.6	431.5	436.4	436.4	436.4
40°	372.6	375.1	377.5	375.1	377.5	382.4	384.9	387.3	389.8	392.2	392.2
42.5°	331.0	331.0	331.0	333.4	338.3	340.8	345.7	348.1	350.6	350.6	350.6
45°	296.6	296.6	299.1	301.5	304.0	306.4	308.9	311.3	313.8	313.8	313.8
47.5°	267.2	267.2	269.7	269.7	272.1	274.6	277.0	277.0	279.5	281.9	279.5
50°	240.2	240.2	240.2	242.7	242.7	245.2	245.2	247.6	247.6	247.6	247.6
52.5°	213.3	213.3	213.3	213.3	215.7	215.7	215.7	218.2	218.2	218.2	218.2
55°	188.8	188.8	188.8	188.8	188.8	191.2	191.2	191.2	191.2	191.2	191.2
57.5°	166.7	166.7	166.7	166.7	166.7	166.7	166.7	166.7	166.7	166.7	166.7
60°	144.6	144.6	144.6	144.6	144.6	142.2	144.6	144.6	144.6	144.6	144.6
62.5°	122.6	122.6	122.6	122.6	122.6	122.6	122.6	125.0	125.0	125.0	125.0
65°	100.5	103.0	103.0	103.0	103.0	103.0	103.0	105.4	105.4	105.4	105.4
67.5°	80.9	83.4	83.4	83.4	83.4	83.4	83.4	83.4	85.8	85.8	85.8
70°	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	66.2
72.5°	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	46.6	46.6	46.6
75°	31.9	31.9	31.9	31.9	29.4	29.4	29.4	29.4	29.4	29.4	29.4
77.5°	22.1	22.1	22.1	19.6	19.6	17.2	17.2	17.2	17.2	17.2	14.7
80°	12.3	12.3	12.3	12.3	12.3	9.8	9.8	7.4	7.4	7.4	7.4
82.5°	7.4	7.4	7.4	4.9	4.9	4.9	4.9	2.5	2.5	2.5	2.5
85°	2.5	2.5	2.5	2.5	2.5	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)