

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: P3ART20R709030D010 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: P3ART20R709030D010 E3CLDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3CLDWW1MW TRIM
Light Source: -
Ballast/Driver: -

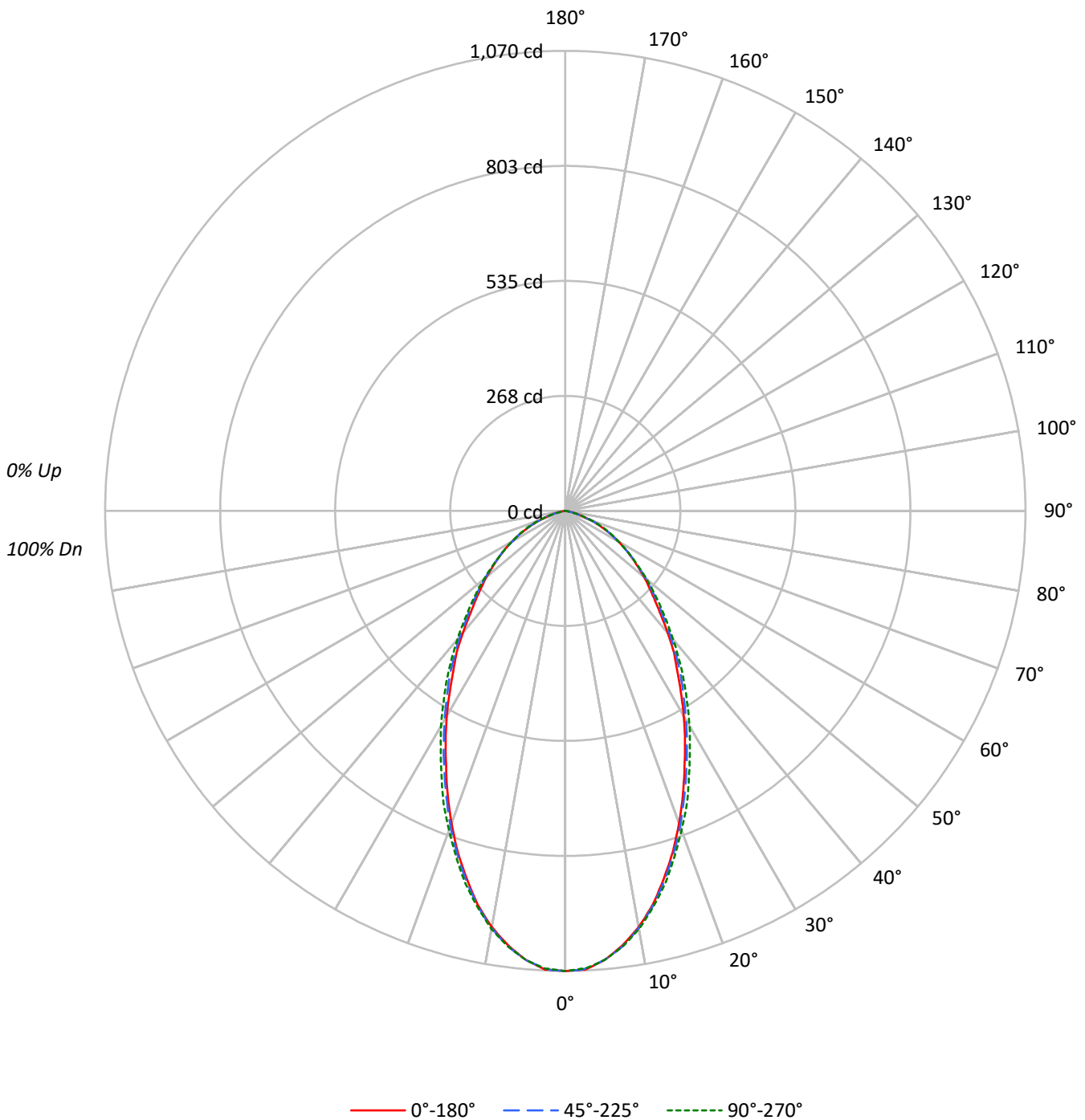
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1491.0 lumens
Efficiency: N/A
Efficacy: 51.8 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 (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

TEST NUMBER: P#
CATALOG NUMBER: P3ART20R709030D010 E3CLDWW1MW

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: P3ART20R709030D010 E3CLDWW1MW

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°	234740	234740	234740
5°	230794	230794	230794
10°	218811	219346	219902
15°	200932	202044	203702
20°	180382	182086	184349
25°	158695	161066	164598
30°	139540	141997	146326
35°	121398	125334	128599
40°	106084	108890	111666
45°	91482	94521	96785
50°	81533	83170	84023
55°	71797	72714	72714
60°	63109	62013	63109
65°	51886	53131	54429
70°	40648	40648	42187
75°	26857	24824	24824
80°	15406	12375	9218
85°	6038	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 96785 cd/sqm



TEST NUMBER: P#

CATALOG NUMBER: P3ART20R709030D010 E3CLDWW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.1	6.6
10°-20°	248.6	16.7
20°-30°	306.6	20.6
30°-40°	292.2	19.6
40°-50°	236.4	15.9
50°-60°	170.2	11.4
60°-70°	101.9	6.8
70°-80°	34.2	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°	653.3	43.8
0°-40°	945.4	63.4
0°-60°	1352.0	90.7
0°-90°	1491.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1491.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1070	1070	1070	1070	1070	
5°	1048	1048	1048	1049	1048	98
15°	885	887	890	893	897	247
25°	656	660	666	676	680	302
35°	454	457	468	477	480	285
45°	295	299	305	310	312	230
55°	188	188	190	190	190	169
65°	100	102	102	105	105	100
75°	32	32	29	29	29	36
85°	2	2	0	0	0	4
90°	0	0	0	0	0	



TEST NUMBER: P#
 CATALOG NUMBER: P3ART20R709030D010 E3CLDWW1MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5
2°	1068.0	1068.0	1068.0	1068.0	1068.0	1068.0	1068.0	1068.0	1068.0	1068.0	1065.6
2.5°	1068.0	1065.6	1065.6	1065.6	1065.6	1065.6	1065.6	1065.6	1065.6	1068.0	1065.6
5°	1048.5	1048.5	1048.5	1048.5	1048.5	1048.5	1048.5	1048.5	1051.0	1048.5	1048.5
7.5°	1019.3	1019.3	1019.3	1019.3	1021.7	1021.7	1021.7	1021.7	1024.1	1024.1	1021.7
10°	982.7	982.7	982.7	982.7	985.1	985.1	987.6	985.1	985.1	987.6	987.6
12.5°	938.8	936.4	936.4	936.4	938.8	941.2	941.2	941.2	943.7	943.7	943.7
15°	885.1	885.1	885.1	887.6	887.6	890.0	892.5	892.5	894.9	894.9	897.3
17.5°	831.5	831.5	829.1	831.5	833.9	836.4	838.8	841.3	843.7	843.7	843.7
20°	773.0	770.5	773.0	775.4	777.9	780.3	782.7	787.6	790.0	790.0	790.0
22.5°	714.5	712.0	714.5	716.9	719.3	721.8	729.1	731.5	734.0	734.0	738.8
25°	655.9	655.9	658.4	660.8	663.3	665.7	670.6	675.4	677.9	680.3	680.3
27.5°	602.3	602.3	602.3	602.3	607.2	612.0	616.9	621.8	624.2	626.7	626.7
30°	551.1	548.6	548.6	551.1	556.0	560.8	565.7	570.6	573.0	575.5	577.9
32.5°	499.9	499.9	499.9	502.3	504.8	512.1	516.9	519.4	524.3	526.7	526.7
35°	453.5	453.5	453.5	458.4	463.3	468.2	470.6	475.5	480.4	480.4	480.4
37.5°	414.5	417.0	421.8	419.4	419.4	421.8	424.3	429.2	434.0	434.0	434.0
40°	370.6	373.1	375.5	373.1	375.5	380.4	382.8	385.3	387.7	390.1	390.1
42.5°	329.2	329.2	329.2	331.6	336.5	338.9	343.8	346.3	348.7	348.7	348.7
45°	295.0	295.0	297.5	299.9	302.4	304.8	307.2	309.7	312.1	312.1	312.1
47.5°	265.8	265.8	268.2	268.2	270.7	273.1	275.5	275.5	278.0	280.4	278.0
50°	239.0	239.0	239.0	241.4	241.4	243.8	243.8	246.3	246.3	246.3	246.3
52.5°	212.1	212.1	212.1	212.1	214.6	214.6	214.6	217.0	217.0	217.0	217.0
55°	187.8	187.8	187.8	187.8	187.8	190.2	190.2	190.2	190.2	190.2	190.2
57.5°	165.8	165.8	165.8	165.8	165.8	165.8	165.8	165.8	165.8	165.8	165.8
60°	143.9	143.9	143.9	143.9	143.9	141.4	143.9	143.9	143.9	143.9	143.9
62.5°	121.9	121.9	121.9	121.9	121.9	121.9	121.9	124.4	124.4	124.4	124.4
65°	100.0	102.4	102.4	102.4	102.4	102.4	102.4	104.9	104.9	104.9	104.9
67.5°	80.5	82.9	82.9	82.9	82.9	82.9	82.9	82.9	85.3	85.3	85.3
70°	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	65.8
72.5°	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	46.3	46.3	46.3
75°	31.7	31.7	31.7	31.7	29.3	29.3	29.3	29.3	29.3	29.3	29.3
77.5°	21.9	21.9	21.9	19.5	19.5	17.1	17.1	17.1	17.1	17.1	14.6
80°	12.2	12.2	12.2	12.2	12.2	9.8	9.8	7.3	7.3	7.3	7.3
82.5°	7.3	7.3	7.3	4.9	4.9	4.9	4.9	2.4	2.4	2.4	2.4
85°	2.4	2.4	2.4	2.4	2.4	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)