

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: P3ART20R709040D010 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: P3ART20R709040D010 E3CLDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , E3CLDWW1MW TRIM
Light Source: -
Ballast/Driver: -

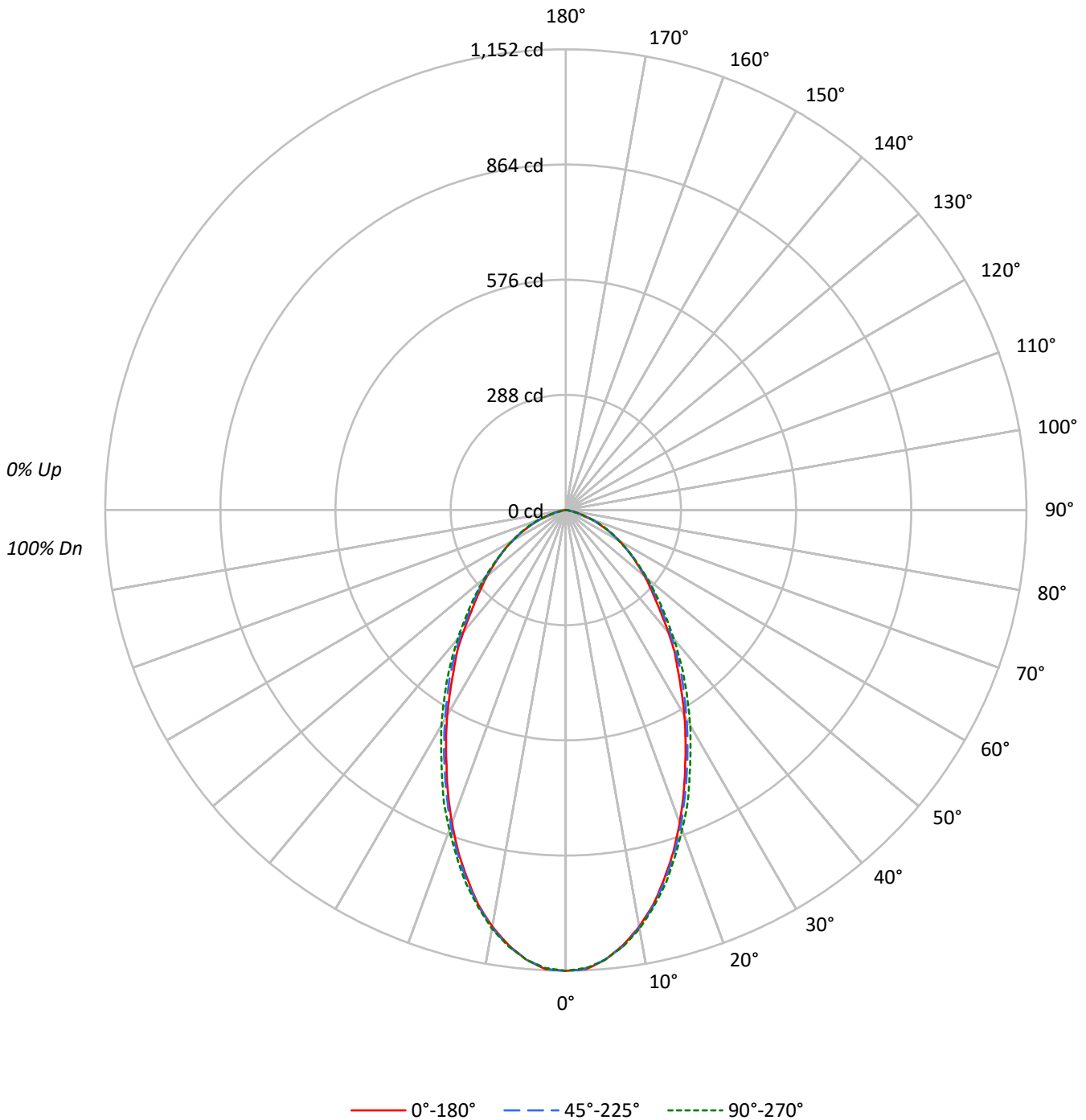
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1605.0 lumens
Efficiency: N/A
Efficacy: 55.7 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): 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

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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	102	100	
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	91	89	
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	80	78	
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	71	69	
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	63	61	
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	57	55	
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	51	50	
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	47	45	
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	43	41	
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	40	38	
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	37	35	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	252677	252677	252677
5°	248448	248448	248448
10°	235533	236112	236713
15°	216301	217504	219275
20°	194174	196017	198467
25°	170841	173381	177180
30°	150200	152859	157518
35°	130687	134917	138424
40°	114214	117220	120225
45°	98491	101747	104197
50°	87741	89549	90436
55°	77264	78258	78258
60°	67933	66749	67933
65°	55830	57179	58580
70°	43725	43725	45456
75°	28891	26688	26688
80°	16543	13259	9976
85°	6542	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 104197 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.6	6.6
10°-20°	267.6	16.7
20°-30°	330.0	20.6
30°-40°	314.5	19.6
40°-50°	254.4	15.9
50°-60°	183.3	11.4
60°-70°	109.7	6.8
70°-80°	36.7	2.3
80°-90°	3.1	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°	703.2	43.8
0°-40°	1017.7	63.4
0°-60°	1455.4	90.7
0°-90°	1605.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1605.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1152	1152	1152	1152	1152	
5°	1129	1129	1129	1129	1129	105
15°	953	955	958	961	966	266
25°	706	711	717	728	732	325
35°	488	492	504	513	517	307
45°	318	322	328	334	336	248
55°	202	202	205	205	205	182
65°	108	110	110	113	113	108
75°	34	34	32	32	32	38
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°	1152.3	1152.3	1152.3	1152.3	1152.3	1152.3	1152.3	1152.3	1152.3	1152.3	1152.3
2°	1149.7	1149.7	1149.7	1149.7	1149.7	1149.7	1149.7	1149.7	1149.7	1149.7	1147.1
2.5°	1149.7	1147.1	1147.1	1147.1	1147.1	1147.1	1147.1	1147.1	1147.1	1149.7	1147.1
5°	1128.7	1128.7	1128.7	1128.7	1128.7	1128.7	1128.7	1128.7	1131.3	1128.7	1128.7
7.5°	1097.2	1097.2	1097.2	1097.2	1099.8	1099.8	1099.8	1099.8	1102.4	1102.4	1099.8
10°	1057.8	1057.8	1057.8	1057.8	1060.4	1060.4	1063.1	1060.4	1060.4	1063.1	1063.1
12.5°	1010.6	1007.9	1007.9	1007.9	1010.6	1013.2	1013.2	1013.2	1015.8	1015.8	1015.8
15°	952.8	952.8	952.8	955.5	955.5	958.1	960.7	960.7	963.3	963.3	965.9
17.5°	895.1	895.1	892.5	895.1	897.7	900.3	903.0	905.6	908.2	908.2	908.2
20°	832.1	829.5	832.1	834.7	837.3	840.0	842.6	847.8	850.5	850.5	850.5
22.5°	769.1	766.5	769.1	771.7	774.3	777.0	784.8	787.5	790.1	790.1	795.3
25°	706.1	706.1	708.7	711.3	714.0	716.6	721.8	727.1	729.7	732.3	732.3
27.5°	648.3	648.3	648.3	648.3	653.6	658.8	664.1	669.3	672.0	674.6	674.6
30°	593.2	590.6	590.6	593.2	598.5	603.7	609.0	614.2	616.8	619.5	622.1
32.5°	538.1	538.1	538.1	540.7	543.3	551.2	556.5	559.1	564.3	567.0	567.0
35°	488.2	488.2	488.2	493.5	498.7	504.0	506.6	511.8	517.1	517.1	517.1
37.5°	446.2	448.9	454.1	451.5	451.5	454.1	456.7	462.0	467.2	467.2	467.2
40°	399.0	401.6	404.2	401.6	404.2	409.5	412.1	414.7	417.4	420.0	420.0
42.5°	354.4	354.4	354.4	357.0	362.2	364.9	370.1	372.7	375.4	375.4	375.4
45°	317.6	317.6	320.2	322.9	325.5	328.1	330.7	333.4	336.0	336.0	336.0
47.5°	286.1	286.1	288.7	288.7	291.4	294.0	296.6	296.6	299.2	301.9	299.2
50°	257.2	257.2	257.2	259.9	259.9	262.5	262.5	265.1	265.1	265.1	265.1
52.5°	228.4	228.4	228.4	228.4	231.0	231.0	231.0	233.6	233.6	233.6	233.6
55°	202.1	202.1	202.1	202.1	202.1	204.7	204.7	204.7	204.7	204.7	204.7
57.5°	178.5	178.5	178.5	178.5	178.5	178.5	178.5	178.5	178.5	178.5	178.5
60°	154.9	154.9	154.9	154.9	154.9	152.2	154.9	154.9	154.9	154.9	154.9
62.5°	131.2	131.2	131.2	131.2	131.2	131.2	131.2	133.9	133.9	133.9	133.9
65°	107.6	110.2	110.2	110.2	110.2	110.2	110.2	112.9	112.9	112.9	112.9
67.5°	86.6	89.2	89.2	89.2	89.2	89.2	89.2	89.2	91.9	91.9	91.9
70°	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	70.9
72.5°	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	49.9	49.9	49.9
75°	34.1	34.1	34.1	34.1	31.5	31.5	31.5	31.5	31.5	31.5	31.5
77.5°	23.6	23.6	23.6	21.0	21.0	18.4	18.4	18.4	18.4	18.4	15.7
80°	13.1	13.1	13.1	13.1	13.1	10.5	10.5	7.9	7.9	7.9	7.9
82.5°	7.9	7.9	7.9	5.2	5.2	5.2	5.2	2.6	2.6	2.6	2.6
85°	2.6	2.6	2.6	2.6	2.6	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)