

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: P3ART20R709035D010 E3LSWW1WMH

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 (G1-2509-551-15)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART20R709035D010 E3LSWW1WMH
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3LSWW1WMH TRIM
Light Source: -
Ballast/Driver: -

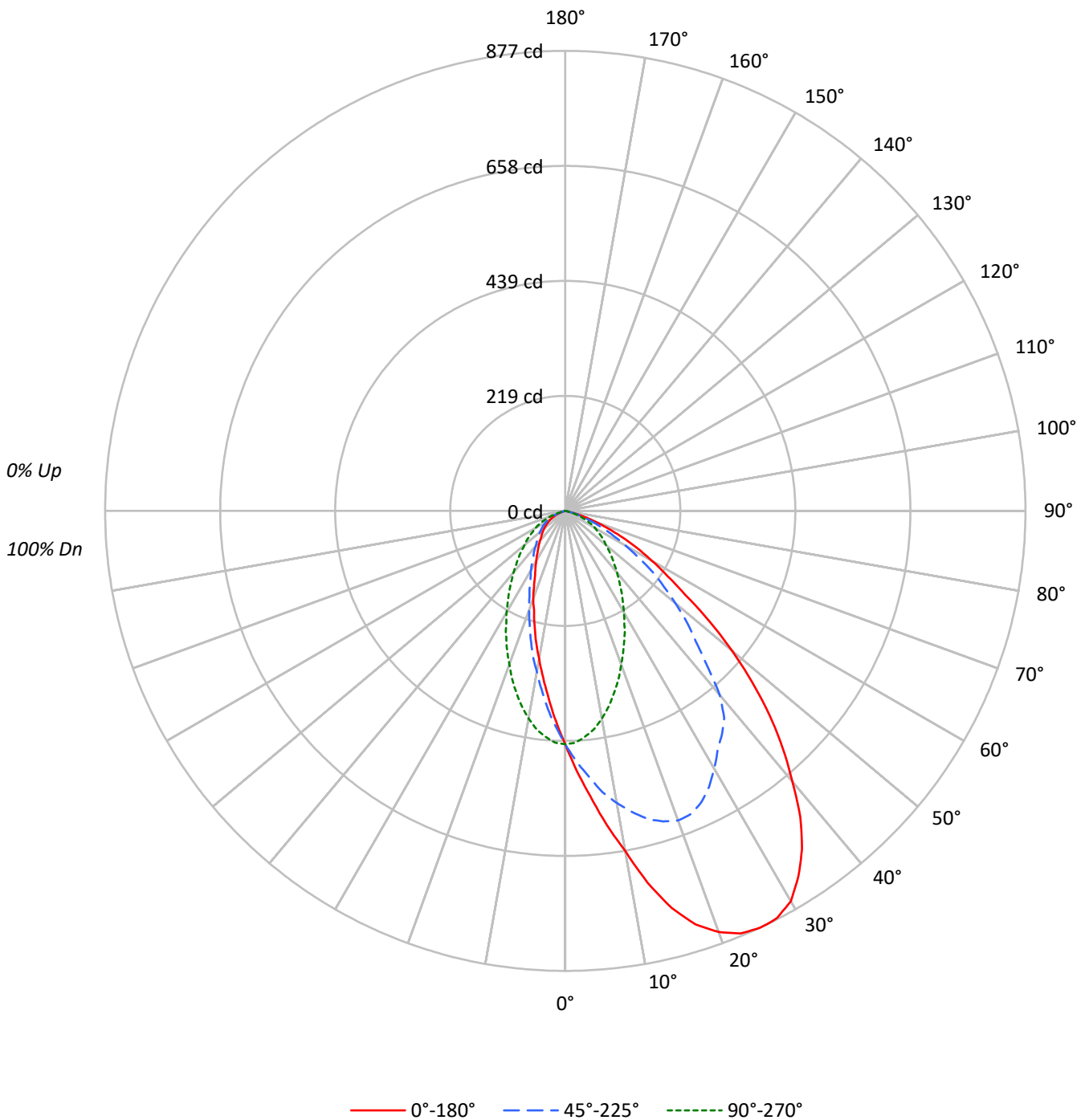
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 886.0 lumens
Efficiency: N/A
Efficacy: 30.8 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.85 / 1.23
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	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89				89
2	103	96	91	86	101	95	89	85	91	87	83	88	85	81	85	82	80	78				78
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68				68
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	60				60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53				53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47				47
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	43				43
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	39				39
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35				35
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32				32

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	97536	97536	97536	97536	97536
5°	120031	111732	95135	83535	79089
10°	146602	125894	89533	69382	63793
15°	177981	138048	81567	57617	51351
20°	199377	146593	72713	46904	41630
25°	212190	148363	64455	38905	32833
30°	217603	143794	56642	33094	28004
35°	210540	139254	49791	28242	24226
40°	192790	130931	43882	25190	21583
45°	170653	109097	38950	23382	19475
50°	141437	93438	34285	21424	18012
55°	106625	77799	31693	20186	16324
60°	83765	58416	28638	18727	14341
65°	62575	43014	24750	15670	11726
70°	40263	27376	17695	11284	6475
75°	17029	14911	8557	4236	2118
80°	3157	3157	0	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 170653 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.2	4.8
10°-20°	121.4	13.7
20°-30°	177.6	20.0
30°-40°	193.5	21.8
40°-50°	167.4	18.9
50°-60°	112.1	12.7
60°-70°	57.9	6.5
70°-80°	13.7	1.5
80°-90°	0.1	0.0
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°	341.2	38.5
0°-40°	534.7	60.3
0°-60°	814.2	91.9
0°-90°	886.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	886.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	445	445	445	445	445	
5°	545	508	432	380	359	56
15°	784	608	359	254	226	222
25°	877	613	266	161	136	403
35°	786	520	186	106	90	487
45°	550	352	126	75	63	421
55°	279	204	83	53	43	258
65°	121	83	48	30	23	122
75°	20	18	10	5	2	26
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P#
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	444.8	444.8	444.8	444.8	444.8	444.8	444.8	444.8	444.8	444.8	444.8
2.5°	495.0	492.5	492.5	487.5	482.5	477.5	469.9	462.4	454.8	447.3	442.3
5°	545.3	547.8	545.3	535.3	522.7	507.6	492.5	474.9	457.4	442.3	432.2
7.5°	603.1	603.1	595.6	583.0	565.4	540.3	515.2	485.0	457.4	432.2	419.7
10°	658.4	658.4	645.8	625.7	598.1	565.4	530.2	490.0	452.3	417.1	402.1
12.5°	726.2	723.7	708.6	676.0	635.8	588.0	540.3	490.0	444.8	402.1	382.0
15°	784.0	781.5	761.4	721.2	668.4	608.1	542.8	485.0	429.7	382.0	359.3
17.5°	826.8	821.7	799.1	756.4	696.1	620.7	545.3	474.9	412.1	359.3	336.7
20°	854.4	851.9	826.8	776.5	711.2	628.2	542.8	462.4	394.5	336.7	311.6
22.5°	872.0	867.0	841.8	786.5	711.2	625.7	532.7	444.8	371.9	314.1	289.0
25°	877.0	874.5	844.3	784.0	703.6	613.2	517.7	427.2	349.3	291.5	266.4
26°	877.0	874.5	844.3	781.5	698.6	605.6	510.1	419.7	341.8	281.4	258.8
27.5°	874.5	872.0	839.3	774.0	688.5	593.1	495.0	404.6	326.7	268.9	243.8
30°	859.4	854.4	821.7	756.4	665.9	567.9	469.9	382.0	304.1	246.3	223.7
32.5°	826.8	821.7	786.5	726.2	640.8	540.3	442.3	356.8	281.4	223.7	203.5
35°	786.5	781.5	746.3	688.5	605.6	520.2	412.1	329.2	256.3	206.1	186.0
37.5°	736.3	728.7	698.6	638.3	562.9	497.6	387.0	301.6	233.7	186.0	168.4
40°	673.5	671.0	643.3	588.0	512.6	457.4	371.9	301.6	213.6	168.4	153.3
42.5°	613.2	608.1	583.0	535.3	467.4	399.6	326.7	289.0	198.5	150.8	138.2
45°	550.3	545.3	522.7	482.5	419.7	351.8	351.8	248.8	170.9	138.2	125.6
47.5°	482.5	477.5	459.9	429.7	374.4	314.1	256.3	203.5	155.8	123.1	113.1
50°	414.6	417.1	402.1	371.9	329.2	273.9	221.1	170.9	133.2	110.6	100.5
52.5°	346.8	344.3	334.2	314.1	284.0	236.2	188.5	145.7	115.6	98.0	93.0
55°	278.9	281.4	276.4	263.9	238.7	203.5	158.3	125.6	103.0	88.0	82.9
57.5°	231.2	233.7	223.7	216.1	196.0	165.9	130.7	105.5	88.0	77.9	72.9
60°	191.0	193.5	186.0	175.9	160.8	133.2	105.5	88.0	77.9	70.4	65.3
62.5°	155.8	153.3	148.3	138.2	125.6	105.5	85.4	72.9	65.3	60.3	57.8
65°	120.6	120.6	115.6	108.1	98.0	82.9	67.8	60.3	55.3	50.3	47.7
67.5°	90.5	90.5	85.4	80.4	70.4	60.3	52.8	47.7	45.2	40.2	37.7
70°	62.8	62.8	60.3	57.8	50.3	42.7	40.2	35.2	32.7	30.2	27.6
72.5°	40.2	40.2	40.2	35.2	32.7	27.6	27.6	25.1	22.6	20.1	20.1
75°	20.1	22.6	20.1	20.1	17.6	17.6	15.1	15.1	12.6	12.6	10.1
77.5°	7.5	7.5	7.5	7.5	7.5	7.5	5.0	5.0	5.0	5.0	5.0
80°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	444.8	444.8	444.8	444.8	444.8	444.8	444.8	444.8	444.8	444.8
2.5°	437.2	429.7	424.7	417.1	412.1	407.1	404.6	402.1	402.1	402.1
5°	424.7	412.1	399.6	387.0	379.5	371.9	364.4	361.9	359.3	359.3
7.5°	409.6	389.5	371.9	356.8	344.3	336.7	329.2	324.2	321.7	321.7
10°	389.5	364.4	344.3	324.2	311.6	301.6	296.5	289.0	289.0	286.5
12.5°	366.9	336.7	314.1	296.5	284.0	271.4	263.9	258.8	256.3	256.3
15°	341.8	311.6	286.5	266.4	253.8	241.2	233.7	228.7	226.2	226.2
17.5°	316.6	284.0	258.8	238.7	226.2	213.6	206.1	201.0	201.0	198.5
20°	291.5	258.8	233.7	213.6	201.0	191.0	183.4	178.4	175.9	178.4
22.5°	268.9	236.2	211.1	193.5	178.4	168.4	160.8	158.3	155.8	155.8
25°	243.8	213.6	191.0	173.4	160.8	150.8	143.2	140.7	138.2	135.7
26°	236.2	206.1	183.4	165.9	153.3	143.2	138.2	133.2	130.7	130.7
27.5°	226.2	193.5	173.4	155.8	143.2	135.7	128.2	125.6	123.1	123.1
30°	203.5	175.9	155.8	140.7	130.7	120.6	115.6	113.1	110.6	110.6
32.5°	186.0	158.3	140.7	128.2	118.1	110.6	105.5	100.5	100.5	100.5
35°	168.4	143.2	128.2	115.6	105.5	98.0	95.5	93.0	90.5	90.5
37.5°	153.3	130.7	115.6	105.5	98.0	90.5	85.4	82.9	82.9	82.9
40°	138.2	120.6	105.5	95.5	88.0	82.9	77.9	75.4	75.4	75.4
42.5°	125.6	108.1	98.0	88.0	80.4	75.4	72.9	70.4	67.8	67.8
45°	115.6	100.5	88.0	80.4	75.4	70.4	65.3	62.8	62.8	62.8
47.5°	103.0	93.0	80.4	72.9	67.8	62.8	60.3	57.8	57.8	57.8
50°	95.5	85.4	75.4	67.8	62.8	57.8	55.3	52.8	52.8	52.8
52.5°	85.4	77.9	70.4	62.8	57.8	52.8	50.3	47.7	47.7	47.7
55°	77.9	70.4	62.8	57.8	52.8	47.7	45.2	42.7	42.7	42.7
57.5°	70.4	62.8	57.8	52.8	47.7	45.2	40.2	40.2	37.7	37.7
60°	62.8	55.3	50.3	47.7	42.7	40.2	35.2	32.7	32.7	32.7
62.5°	52.8	50.3	45.2	40.2	35.2	32.7	30.2	27.6	27.6	27.6
65°	45.2	42.7	37.7	32.7	30.2	27.6	25.1	22.6	22.6	22.6
67.5°	37.7	32.7	30.2	27.6	25.1	22.6	20.1	17.6	15.1	17.6
70°	27.6	25.1	22.6	20.1	17.6	15.1	12.6	12.6	10.1	10.1
72.5°	17.6	15.1	15.1	12.6	10.1	10.1	7.5	7.5	5.0	5.0
75°	10.1	10.1	7.5	7.5	5.0	5.0	2.5	2.5	2.5	2.5
77.5°	5.0	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	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
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)