

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: P3ART20R709027D010 E3CLSWW1MW

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: P3ART20R709027D010 E3CLSWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3CLSWW1MW TRIM
Light Source: -
Ballast/Driver: -

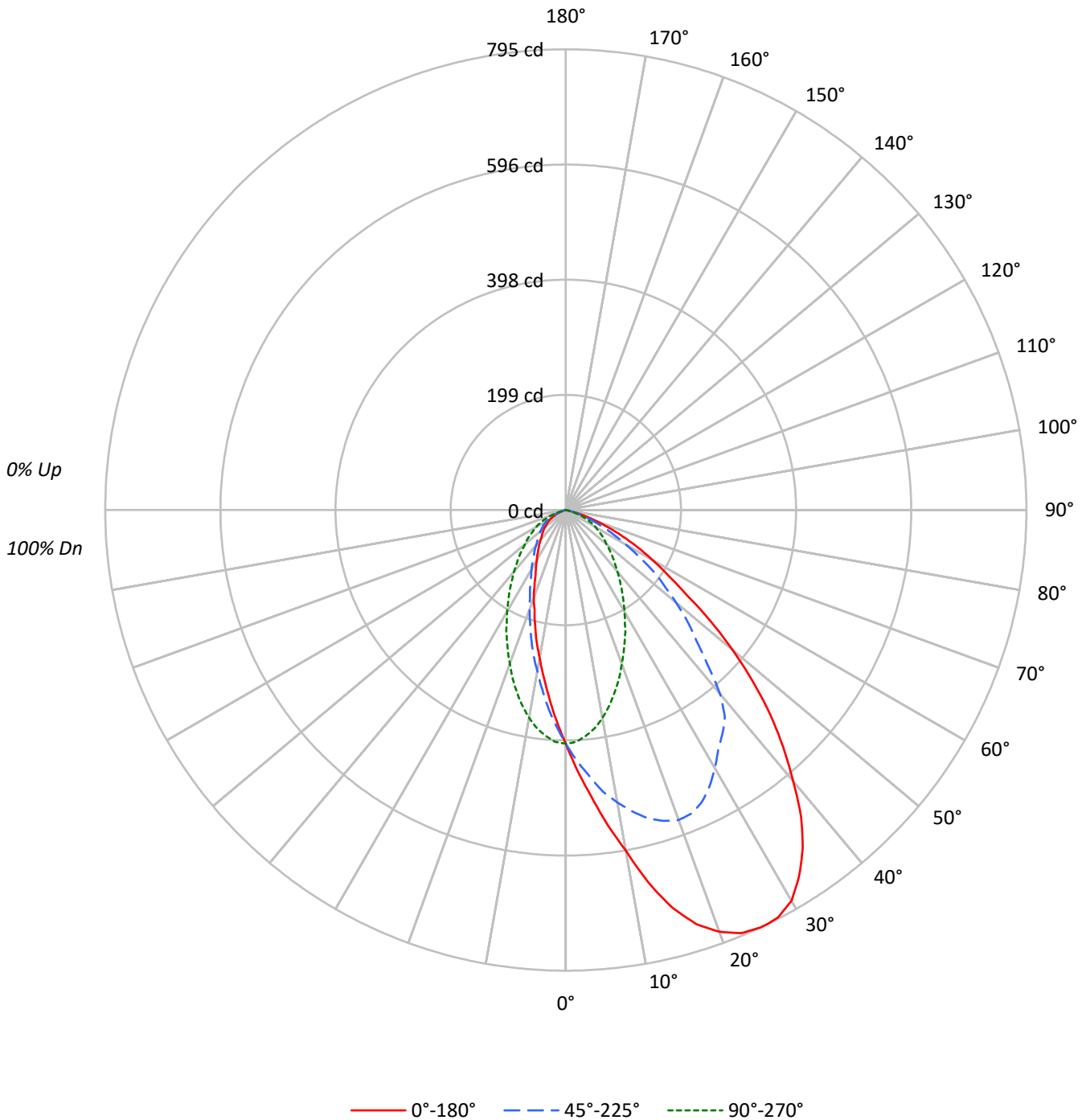
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 803.0 lumens
Efficiency: N/A
Efficacy: 27.9 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
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	96	97	95	94	94	92	91	91	89	
2	103	96	91	86	101	95	89	85	91	87	83	88	85	81	85	82	80	80	78	
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	70	68	
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	62	60	
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	55	53	
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	49	47	
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	44	43	
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	40	39	
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	37	35	
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	34	32	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	88392	88392	88392	88392	88392
5°	108782	101276	86220	75699	71693
10°	132863	114093	81139	62880	57803
15°	161318	125131	73939	52214	46538
20°	180709	132872	65899	42517	37733
25°	192326	134451	58407	35276	29760
30°	197220	130324	51324	29979	25371
35°	190838	126190	45106	25618	21951
40°	174727	118651	39760	22814	19551
45°	154683	98894	35321	21180	17645
50°	128200	84671	31078	19411	16307
55°	96647	70535	28749	18274	14795
60°	75915	52934	25963	16972	12981
65°	56712	39018	22467	14165	10637
70°	36481	24812	16092	10194	5834
75°	15420	13471	7710	3897	1949
80°	2904	2904	0	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 154683 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.3	4.8
10°-20°	110.1	13.7
20°-30°	160.9	20.0
30°-40°	175.3	21.8
40°-50°	151.7	18.9
50°-60°	101.6	12.7
60°-70°	52.5	6.5
70°-80°	12.4	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°	309.2	38.5
0°-40°	484.6	60.3
0°-60°	738.0	91.9
0°-90°	803.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	803.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	403	403	403	403	403	
5°	494	460	392	344	326	50
15°	711	551	326	230	205	201
25°	795	556	241	146	123	365
35°	713	471	168	96	82	441
45°	499	319	114	68	57	382
55°	253	184	75	48	39	234
65°	109	75	43	27	20	110
75°	18	16	9	5	2	24
85°	0	0	0	0	0	0
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°	403.1	403.1	403.1	403.1	403.1	403.1	403.1	403.1	403.1	403.1	403.1
2.5°	448.7	446.4	446.4	441.8	437.3	432.7	425.9	419.1	412.2	405.4	400.8
5°	494.2	496.5	494.2	485.1	473.7	460.1	446.4	430.5	414.5	400.8	391.7
7.5°	546.6	546.6	539.8	528.4	512.4	489.7	466.9	439.6	414.5	391.7	380.3
10°	596.7	596.7	585.3	567.1	542.0	512.4	480.6	444.1	410.0	378.1	364.4
12.5°	658.2	655.9	642.3	612.7	576.2	532.9	489.7	444.1	403.1	364.4	346.2
15°	710.6	708.3	690.1	653.6	605.8	551.2	491.9	439.6	389.5	346.2	325.7
17.5°	749.3	744.7	724.3	685.5	630.9	562.5	494.2	430.5	373.5	325.7	305.2
20°	774.4	772.1	749.3	703.8	644.5	569.4	491.9	419.1	357.6	305.2	282.4
22.5°	790.3	785.7	763.0	712.9	644.5	567.1	482.8	403.1	337.1	284.7	261.9
25°	794.9	792.6	765.2	710.6	637.7	555.7	469.2	387.2	316.6	264.2	241.4
26°	794.9	792.6	765.2	708.3	633.2	548.9	462.3	380.3	309.7	255.1	234.6
27.5°	792.6	790.3	760.7	701.5	624.0	537.5	448.7	366.7	296.1	243.7	220.9
30°	778.9	774.4	744.7	685.5	603.5	514.7	425.9	346.2	275.6	223.2	202.7
32.5°	749.3	744.7	712.9	658.2	580.8	489.7	400.8	323.4	255.1	202.7	184.5
35°	712.9	708.3	676.4	624.0	548.9	471.4	373.5	298.4	232.3	186.8	168.5
37.5°	667.3	660.5	633.2	578.5	510.2	450.9	350.7	273.3	211.8	168.5	152.6
40°	610.4	608.1	583.0	532.9	464.6	414.5	337.1	273.3	193.6	152.6	138.9
42.5°	555.7	551.2	528.4	485.1	423.6	362.1	296.1	261.9	179.9	136.7	125.3
45°	498.8	494.2	473.7	437.3	380.3	318.9	318.9	225.5	154.9	125.3	113.9
47.5°	437.3	432.7	416.8	389.5	339.4	284.7	232.3	184.5	141.2	111.6	102.5
50°	375.8	378.1	364.4	337.1	298.4	248.2	200.4	154.9	120.7	100.2	91.1
52.5°	314.3	312.0	302.9	284.7	257.4	214.1	170.8	132.1	104.8	88.8	84.3
55°	252.8	255.1	250.5	239.1	216.4	184.5	143.5	113.9	93.4	79.7	75.2
57.5°	209.5	211.8	202.7	195.9	177.6	150.3	118.4	95.7	79.7	70.6	66.0
60°	173.1	175.4	168.5	159.4	145.8	120.7	95.7	79.7	70.6	63.8	59.2
62.5°	141.2	138.9	134.4	125.3	113.9	95.7	77.4	66.0	59.2	54.7	52.4
65°	109.3	109.3	104.8	97.9	88.8	75.2	61.5	54.7	50.1	45.6	43.3
67.5°	82.0	82.0	77.4	72.9	63.8	54.7	47.8	43.3	41.0	36.4	34.2
70°	56.9	56.9	54.7	52.4	45.6	38.7	36.4	31.9	29.6	27.3	25.1
72.5°	36.4	36.4	36.4	31.9	29.6	25.1	25.1	22.8	20.5	18.2	18.2
75°	18.2	20.5	18.2	18.2	15.9	15.9	13.7	13.7	11.4	11.4	9.1
77.5°	6.8	6.8	6.8	6.8	6.8	6.8	4.6	4.6	4.6	4.6	4.6
80°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	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°	403.1	403.1	403.1	403.1	403.1	403.1	403.1	403.1	403.1	403.1
2.5°	396.3	389.5	384.9	378.1	373.5	369.0	366.7	364.4	364.4	364.4
5°	384.9	373.5	362.1	350.7	343.9	337.1	330.2	328.0	325.7	325.7
7.5°	371.2	353.0	337.1	323.4	312.0	305.2	298.4	293.8	291.5	291.5
10°	353.0	330.2	312.0	293.8	282.4	273.3	268.7	261.9	261.9	259.6
12.5°	332.5	305.2	284.7	268.7	257.4	246.0	239.1	234.6	232.3	232.3
15°	309.7	282.4	259.6	241.4	230.0	218.6	211.8	207.3	205.0	205.0
17.5°	287.0	257.4	234.6	216.4	205.0	193.6	186.8	182.2	182.2	179.9
20°	264.2	234.6	211.8	193.6	182.2	173.1	166.3	161.7	159.4	161.7
22.5°	243.7	214.1	191.3	175.4	161.7	152.6	145.8	143.5	141.2	141.2
25°	220.9	193.6	173.1	157.1	145.8	136.7	129.8	127.5	125.3	123.0
26°	214.1	186.8	166.3	150.3	138.9	129.8	125.3	120.7	118.4	118.4
27.5°	205.0	175.4	157.1	141.2	129.8	123.0	116.2	113.9	111.6	111.6
30°	184.5	159.4	141.2	127.5	118.4	109.3	104.8	102.5	100.2	100.2
32.5°	168.5	143.5	127.5	116.2	107.0	100.2	95.7	91.1	91.1	91.1
35°	152.6	129.8	116.2	104.8	95.7	88.8	86.5	84.3	82.0	82.0
37.5°	138.9	118.4	104.8	95.7	88.8	82.0	77.4	75.2	75.2	75.2
40°	125.3	109.3	95.7	86.5	79.7	75.2	70.6	68.3	68.3	68.3
42.5°	113.9	97.9	88.8	79.7	72.9	68.3	66.0	63.8	61.5	61.5
45°	104.8	91.1	79.7	72.9	68.3	63.8	59.2	56.9	56.9	56.9
47.5°	93.4	84.3	72.9	66.0	61.5	56.9	54.7	52.4	52.4	52.4
50°	86.5	77.4	68.3	61.5	56.9	52.4	50.1	47.8	47.8	47.8
52.5°	77.4	70.6	63.8	56.9	52.4	47.8	45.6	43.3	43.3	43.3
55°	70.6	63.8	56.9	52.4	47.8	43.3	41.0	38.7	38.7	38.7
57.5°	63.8	56.9	52.4	47.8	43.3	41.0	36.4	36.4	34.2	34.2
60°	56.9	50.1	45.6	43.3	38.7	36.4	31.9	29.6	29.6	29.6
62.5°	47.8	45.6	41.0	36.4	31.9	29.6	27.3	25.1	25.1	25.1
65°	41.0	38.7	34.2	29.6	27.3	25.1	22.8	20.5	20.5	20.5
67.5°	34.2	29.6	27.3	25.1	22.8	20.5	18.2	15.9	13.7	15.9
70°	25.1	22.8	20.5	18.2	15.9	13.7	11.4	11.4	9.1	9.1
72.5°	15.9	13.7	13.7	11.4	9.1	9.1	6.8	6.8	4.6	4.6
75°	9.1	9.1	6.8	6.8	4.6	4.6	2.3	2.3	2.3	2.3
77.5°	4.6	2.3	2.3	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)