

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: P1446493

Luminaire Tested: P3ART17R709730DE010 E3LSWW1WMH

Issue Date: 5/8/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1446493  
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: P3ART17R709730DE010 E3LSWW1WMH  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , E3LSWW1WMH TRIM  
Light Source: -  
Ballast/Driver: -

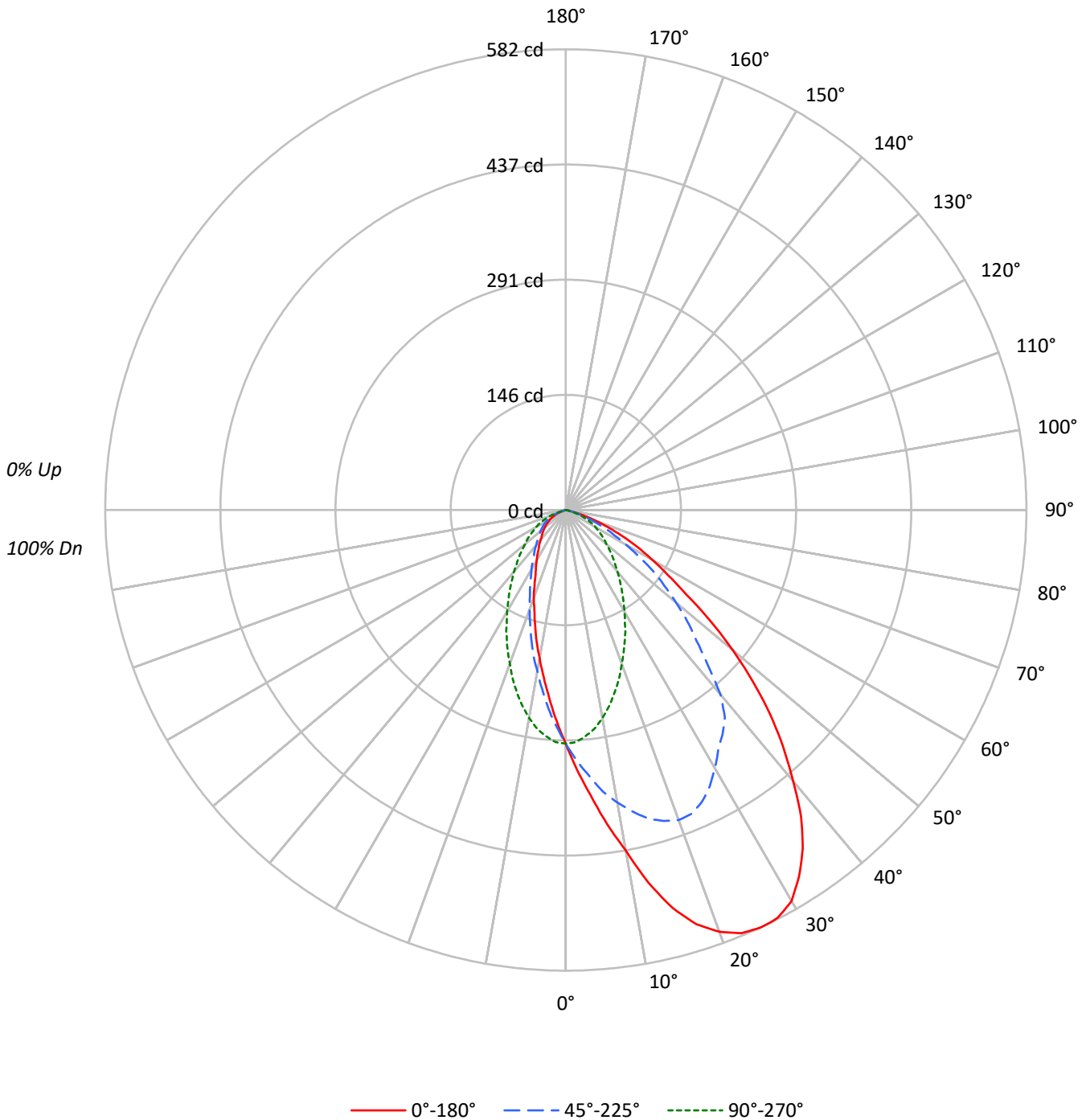
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 588.0 lumens  
Efficiency: N/A  
Efficacy: 27.7 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): 21.2  
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	100	100	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89	89	89
2	103	96	91	86	101	95	89	85	91	87	83	88	85	81	85	82	80	78	78	78
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68	68	68
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	60	60	60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53	53	53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47	47	47
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	43	43	43
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	39	39	39
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35	35	35
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32	32	32

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	64732	64732	64732	64732	64732
5°	79661	74158	63130	55426	52498
10°	97282	83543	59407	46047	42328
15°	118116	91624	54143	38230	34075
20°	132312	97285	48258	31129	27629
25°	140815	98449	42777	25816	21800
30°	144427	95432	37575	21953	18585
35°	139735	92407	33033	18738	16062
40°	127925	86877	29112	16717	14313
45°	113252	72411	25863	15505	12932
50°	93882	62019	22754	14226	11940
55°	70765	51649	21027	13381	10857
60°	55566	38769	19034	12455	9517
65°	41561	28537	16448	10377	7783
70°	26735	18208	11733	7501	4296
75°	11268	9913	5676	2796	1440
80°	2147	2147	0	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 113252 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	28.0	4.8
10°-20°	80.6	13.7
20°-30°	117.8	20.0
30°-40°	128.4	21.8
40°-50°	111.1	18.9
50°-60°	74.4	12.7
60°-70°	38.4	6.5
70°-80°	9.1	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°	226.4	38.5
0°-40°	354.8	60.3
0°-60°	540.4	91.9
0°-90°	588.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	588.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	295	295	295	295	295	
5°	362	337	287	252	238	37
15°	520	404	238	168	150	147
25°	582	407	177	107	90	267
35°	522	345	123	70	60	323
45°	365	234	83	50	42	280
55°	185	135	55	35	28	171
65°	80	55	32	20	15	81
75°	13	12	7	3	2	17
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°	295.2	295.2	295.2	295.2	295.2	295.2	295.2	295.2	295.2	295.2	295.2
2.5°	328.5	326.9	326.9	323.5	320.2	316.9	311.9	306.9	301.9	296.9	293.5
5°	361.9	363.6	361.9	355.2	346.9	336.9	326.9	315.2	303.5	293.5	286.8
7.5°	400.3	400.3	395.3	386.9	375.2	358.6	341.9	321.9	303.5	286.8	278.5
10°	436.9	436.9	428.6	415.3	396.9	375.2	351.9	325.2	300.2	276.8	266.8
12.5°	482.0	480.3	470.3	448.6	421.9	390.2	358.6	325.2	295.2	266.8	253.5
15°	520.3	518.7	505.3	478.6	443.6	403.6	360.2	321.9	285.2	253.5	238.5
17.5°	548.7	545.3	530.3	502.0	462.0	411.9	361.9	315.2	273.5	238.5	223.5
20°	567.0	565.4	548.7	515.3	472.0	416.9	360.2	306.9	261.8	223.5	206.8
22.5°	578.7	575.4	558.7	522.0	472.0	415.3	353.6	295.2	246.8	208.5	191.8
25°	582.0	580.4	560.4	520.3	467.0	406.9	343.6	283.5	231.8	193.5	176.8
26°	582.0	580.4	560.4	518.7	463.6	401.9	338.5	278.5	226.8	186.8	171.8
27.5°	580.4	578.7	557.0	513.7	457.0	393.6	328.5	268.5	216.8	178.4	161.8
30°	570.4	567.0	545.3	502.0	441.9	376.9	311.9	253.5	201.8	163.4	148.4
32.5°	548.7	545.3	522.0	482.0	425.3	358.6	293.5	236.8	186.8	148.4	135.1
35°	522.0	518.7	495.3	457.0	401.9	345.2	273.5	218.5	170.1	136.8	123.4
37.5°	488.6	483.6	463.6	423.6	373.6	330.2	256.8	200.1	155.1	123.4	111.7
40°	446.9	445.3	426.9	390.2	340.2	303.5	246.8	200.1	141.8	111.7	101.7
42.5°	406.9	403.6	386.9	355.2	310.2	265.2	216.8	191.8	131.8	100.1	91.7
45°	365.2	361.9	346.9	320.2	278.5	233.5	233.5	165.1	113.4	91.7	83.4
47.5°	320.2	316.9	305.2	285.2	248.5	208.5	170.1	135.1	103.4	81.7	75.0
50°	275.2	276.8	266.8	246.8	218.5	181.8	146.8	113.4	88.4	73.4	66.7
52.5°	230.1	228.5	221.8	208.5	188.5	156.8	125.1	96.7	76.7	65.0	61.7
55°	185.1	186.8	183.4	175.1	158.4	135.1	105.1	83.4	68.4	58.4	55.0
57.5°	153.4	155.1	148.4	143.4	130.1	110.1	86.7	70.0	58.4	51.7	48.4
60°	126.7	128.4	123.4	116.7	106.7	88.4	70.0	58.4	51.7	46.7	43.4
62.5°	103.4	101.7	98.4	91.7	83.4	70.0	56.7	48.4	43.4	40.0	38.4
65°	80.1	80.1	76.7	71.7	65.0	55.0	45.0	40.0	36.7	33.4	31.7
67.5°	60.0	60.0	56.7	53.4	46.7	40.0	35.0	31.7	30.0	26.7	25.0
70°	41.7	41.7	40.0	38.4	33.4	28.4	26.7	23.3	21.7	20.0	18.3
72.5°	26.7	26.7	26.7	23.3	21.7	18.3	18.3	16.7	15.0	13.3	13.3
75°	13.3	15.0	13.3	13.3	11.7	11.7	10.0	10.0	8.3	8.3	6.7
77.5°	5.0	5.0	5.0	5.0	5.0	5.0	3.3	3.3	3.3	3.3	3.3
80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	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°	295.2	295.2	295.2	295.2	295.2	295.2	295.2	295.2	295.2	295.2
2.5°	290.2	285.2	281.8	276.8	273.5	270.2	268.5	266.8	266.8	266.8
5°	281.8	273.5	265.2	256.8	251.8	246.8	241.8	240.2	238.5	238.5
7.5°	271.8	258.5	246.8	236.8	228.5	223.5	218.5	215.1	213.5	213.5
10°	258.5	241.8	228.5	215.1	206.8	200.1	196.8	191.8	191.8	190.1
12.5°	243.5	223.5	208.5	196.8	188.5	180.1	175.1	171.8	170.1	170.1
15°	226.8	206.8	190.1	176.8	168.4	160.1	155.1	151.8	150.1	150.1
17.5°	210.1	188.5	171.8	158.4	150.1	141.8	136.8	133.4	133.4	131.8
20°	193.5	171.8	155.1	141.8	133.4	126.7	121.7	118.4	116.7	118.4
22.5°	178.4	156.8	140.1	128.4	118.4	111.7	106.7	105.1	103.4	103.4
25°	161.8	141.8	126.7	115.1	106.7	100.1	95.1	93.4	91.7	90.1
26°	156.8	136.8	121.7	110.1	101.7	95.1	91.7	88.4	86.7	86.7
27.5°	150.1	128.4	115.1	103.4	95.1	90.1	85.1	83.4	81.7	81.7
30°	135.1	116.7	103.4	93.4	86.7	80.1	76.7	75.0	73.4	73.4
32.5°	123.4	105.1	93.4	85.1	78.4	73.4	70.0	66.7	66.7	66.7
35°	111.7	95.1	85.1	76.7	70.0	65.0	63.4	61.7	60.0	60.0
37.5°	101.7	86.7	76.7	70.0	65.0	60.0	56.7	55.0	55.0	55.0
40°	91.7	80.1	70.0	63.4	58.4	55.0	51.7	50.0	50.0	50.0
42.5°	83.4	71.7	65.0	58.4	53.4	50.0	48.4	46.7	45.0	45.0
45°	76.7	66.7	58.4	53.4	50.0	46.7	43.4	41.7	41.7	41.7
47.5°	68.4	61.7	53.4	48.4	45.0	41.7	40.0	38.4	38.4	38.4
50°	63.4	56.7	50.0	45.0	41.7	38.4	36.7	35.0	35.0	35.0
52.5°	56.7	51.7	46.7	41.7	38.4	35.0	33.4	31.7	31.7	31.7
55°	51.7	46.7	41.7	38.4	35.0	31.7	30.0	28.4	28.4	28.4
57.5°	46.7	41.7	38.4	35.0	31.7	30.0	26.7	26.7	25.0	25.0
60°	41.7	36.7	33.4	31.7	28.4	26.7	23.3	21.7	21.7	21.7
62.5°	35.0	33.4	30.0	26.7	23.3	21.7	20.0	18.3	18.3	18.3
65°	30.0	28.4	25.0	21.7	20.0	18.3	16.7	15.0	15.0	15.0
67.5°	25.0	21.7	20.0	18.3	16.7	15.0	13.3	11.7	10.0	11.7
70°	18.3	16.7	15.0	13.3	11.7	10.0	8.3	8.3	6.7	6.7
72.5°	11.7	10.0	10.0	8.3	6.7	6.7	5.0	5.0	3.3	3.3
75°	6.7	6.7	5.0	5.0	3.3	3.3	1.7	1.7	1.7	1.7
77.5°	3.3	1.7	1.7	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)