

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: P3ART24R709040D010 E3LCWW1GPH

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 (G1-2509-551-14)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART24R709040D010 E3LCWW1GPH
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , E3LCWW1GPH TRIM
Light Source: -
Ballast/Driver: -

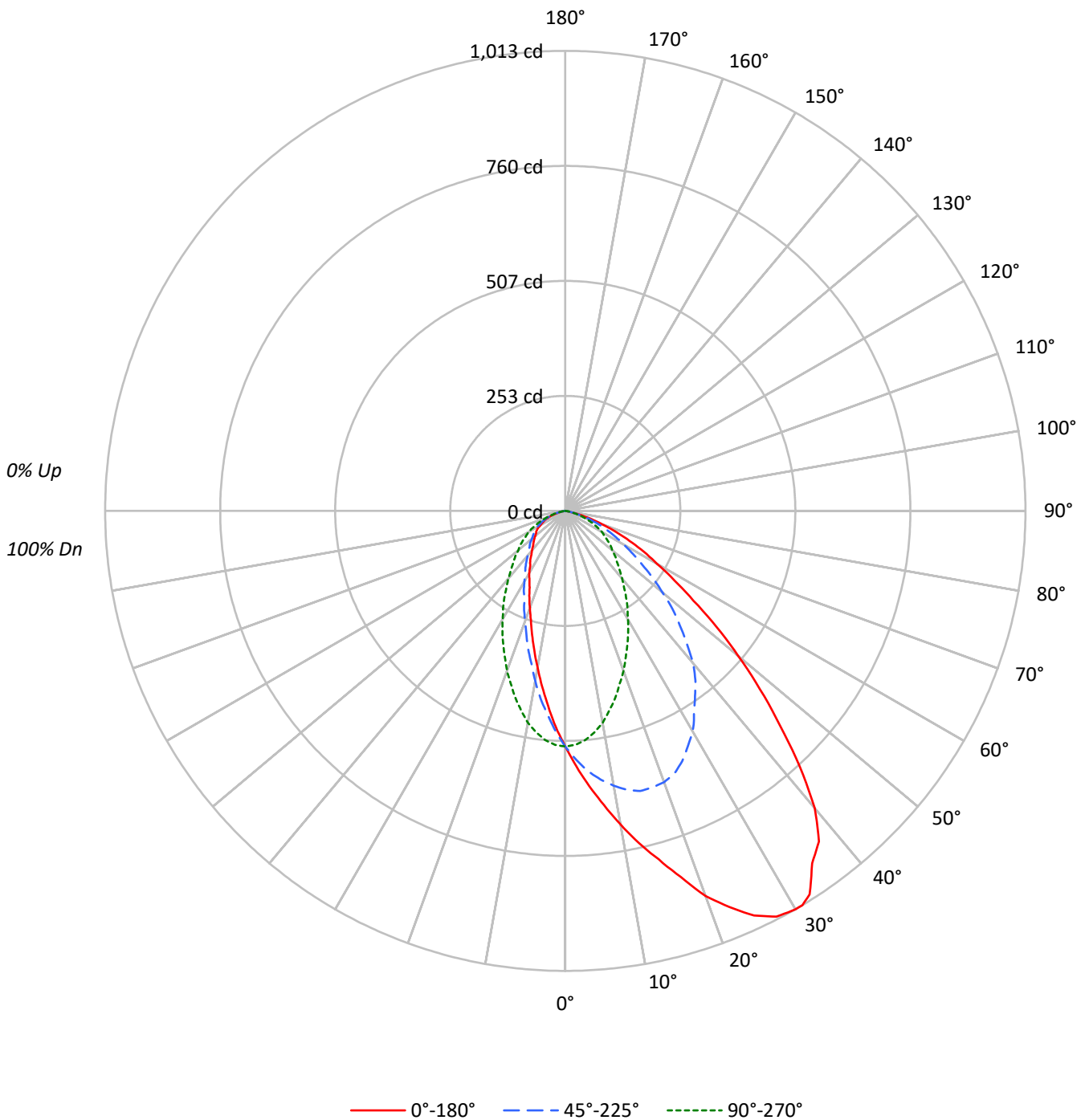
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1055.0 lumens
Efficiency: N/A
Efficacy: 36.6 lumens/watt
Spacing Criteria (0/90/45): 1.54 / 0.87 / 1.18
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
Input Voltage (V): NR
Input Current (A_{in}): 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	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88	88	88
2	102	95	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76	76	76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66	66	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58	58	58
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	51	51	51
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	46	46	46
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	41	41	41
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	37	37	37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	34	34	34
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	31	31	31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	113719	113719	113719	113719	113719
5°	133942	126678	111512	98965	95003
10°	156176	136827	105453	84768	78088
15°	180342	144950	96641	71442	63973
20°	210555	148296	87438	60159	53158
25°	237885	147226	78319	51487	44954
30°	256546	141921	69834	45551	40234
35°	253558	133204	62586	40930	36112
40°	244544	125263	55762	36898	32604
45°	207308	110616	50207	34391	30670
50°	169751	95110	46020	32715	29645
55°	131780	79061	43544	32075	29781
60°	102536	65740	40742	31533	27586
65°	80891	54429	35750	29575	26462
70°	55715	40327	28851	25004	23081
75°	27959	22875	20334	17792	15250
80°	3788	7577	11365	7577	3788
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 207308 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.5	4.6
10°-20°	135.1	12.8
20°-30°	199.1	18.9
30°-40°	223.2	21.2
40°-50°	196.2	18.6
50°-60°	140.4	13.3
60°-70°	83.2	7.9
70°-80°	27.9	2.6
80°-90°	1.3	0.1
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°	382.7	36.3
0°-40°	605.9	57.4
0°-60°	942.6	89.3
0°-90°	1055.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1055.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	519	519	519	519	519	
5°	608	576	507	450	432	61
15°	794	638	426	315	282	229
25°	983	608	324	213	186	452
35°	947	498	234	153	135	595
45°	668	357	162	111	99	517
55°	345	207	114	84	78	315
65°	156	105	69	57	51	156
75°	33	27	24	21	18	40
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°	518.6	518.6	518.6	518.6	518.6	518.6	518.6	518.6	518.6	518.6	518.6
2.5°	563.5	563.5	563.5	557.5	557.5	548.6	542.6	533.6	527.6	518.6	515.6
5°	608.5	608.5	602.5	596.5	587.5	575.5	560.5	545.6	527.6	512.6	506.6
7.5°	653.5	656.5	647.5	635.5	617.5	596.5	575.5	551.5	524.6	503.6	491.6
10°	701.4	701.4	689.4	671.5	644.5	614.5	581.5	548.6	515.6	485.6	473.6
12.5°	749.4	746.4	731.4	704.4	671.5	629.5	584.5	542.6	503.6	467.6	449.6
15°	794.4	794.4	773.4	740.4	692.4	638.5	584.5	530.6	485.6	443.6	425.7
17.5°	845.3	845.3	818.3	767.4	707.4	638.5	575.5	515.6	464.6	419.7	398.7
20°	902.3	899.3	860.3	791.4	713.4	635.5	563.5	497.6	440.6	392.7	374.7
22.5°	944.2	941.2	896.3	812.3	716.4	626.5	542.6	473.6	416.7	368.7	347.7
25°	983.2	977.2	926.2	821.3	710.4	608.5	521.6	446.6	392.7	344.7	323.7
27.5°	1007.2	1004.2	947.2	818.3	695.4	584.5	494.6	422.7	365.7	317.7	299.8
30°	1013.2	1016.2	947.2	803.3	671.5	560.5	467.6	395.7	338.7	296.8	275.8
31°	1013.2	1016.2	941.2	794.4	662.5	548.6	455.6	386.7	326.7	284.8	266.8
32.5°	1001.2	995.2	932.2	779.4	641.5	527.6	440.6	371.7	311.7	269.8	254.8
35°	947.2	950.2	902.3	746.4	611.5	497.6	410.7	341.7	284.8	248.8	233.8
37.5°	917.3	917.3	830.3	701.4	578.5	470.6	374.7	308.7	260.8	227.8	212.8
40°	854.3	845.3	764.4	653.5	539.6	437.6	353.7	287.8	239.8	206.8	194.8
42.5°	764.4	755.4	692.4	611.5	488.6	395.7	335.7	254.8	215.8	188.8	176.9
45°	668.5	662.5	614.5	539.6	440.6	356.7	290.8	233.8	197.8	170.9	161.9
47.5°	581.5	572.5	536.6	479.6	398.7	320.7	251.8	209.8	176.9	155.9	149.9
50°	497.6	494.6	464.6	419.7	353.7	278.8	221.8	185.8	161.9	143.9	134.9
52.5°	419.7	413.7	398.7	362.7	308.7	242.8	194.8	164.9	143.9	131.9	125.9
55°	344.7	344.7	329.7	305.8	263.8	206.8	170.9	146.9	128.9	119.9	113.9
57.5°	284.8	284.8	272.8	257.8	218.8	176.9	149.9	128.9	116.9	107.9	101.9
60°	233.8	233.8	224.8	209.8	182.9	149.9	128.9	113.9	104.9	95.9	92.9
62.5°	194.8	191.8	185.8	170.9	149.9	125.9	110.9	98.9	89.9	83.9	80.9
65°	155.9	152.9	146.9	134.9	119.9	104.9	92.9	83.9	77.9	71.9	68.9
67.5°	119.9	119.9	113.9	104.9	92.9	83.9	74.9	68.9	62.9	60.0	57.0
70°	86.9	86.9	83.9	77.9	68.9	62.9	57.0	54.0	51.0	48.0	45.0
72.5°	60.0	60.0	57.0	54.0	48.0	45.0	39.0	39.0	36.0	36.0	33.0
75°	33.0	33.0	33.0	30.0	30.0	27.0	27.0	27.0	24.0	24.0	24.0
77.5°	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
80°	3.0	3.0	3.0	3.0	6.0	6.0	6.0	6.0	9.0	9.0	9.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.0	3.0	3.0	3.0
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°	518.6	518.6	518.6	518.6	518.6	518.6	518.6	518.6	518.6	518.6
2.5°	512.6	503.6	497.6	494.6	485.6	482.6	479.6	476.6	476.6	476.6
5°	500.6	485.6	470.6	461.6	449.6	443.6	437.6	434.6	431.6	431.6
7.5°	479.6	461.6	443.6	428.7	416.7	404.7	398.7	392.7	392.7	389.7
10°	458.6	434.6	413.7	392.7	380.7	365.7	359.7	353.7	350.7	350.7
12.5°	434.6	404.7	380.7	362.7	344.7	332.7	323.7	317.7	314.7	314.7
15°	407.7	377.7	350.7	332.7	314.7	299.8	290.8	284.8	281.8	281.8
17.5°	380.7	350.7	320.7	302.8	284.8	269.8	263.8	257.8	254.8	251.8
20°	356.7	320.7	296.8	272.8	257.8	245.8	236.8	230.8	227.8	227.8
22.5°	329.7	296.8	269.8	251.8	236.8	224.8	212.8	209.8	206.8	206.8
25°	302.8	272.8	248.8	230.8	212.8	203.8	194.8	188.8	188.8	185.8
27.5°	281.8	251.8	227.8	209.8	197.8	185.8	179.9	173.9	170.9	170.9
30°	257.8	230.8	209.8	194.8	179.9	170.9	164.9	158.9	158.9	158.9
31°	251.8	224.8	203.8	185.8	173.9	164.9	158.9	155.9	152.9	152.9
32.5°	236.8	212.8	191.8	176.9	164.9	155.9	149.9	146.9	146.9	143.9
35°	218.8	194.8	176.9	161.9	152.9	143.9	137.9	134.9	134.9	134.9
37.5°	200.8	179.9	161.9	149.9	140.9	131.9	128.9	122.9	122.9	122.9
40°	182.9	164.9	149.9	137.9	128.9	122.9	119.9	116.9	113.9	113.9
42.5°	167.9	149.9	137.9	128.9	119.9	113.9	110.9	107.9	107.9	104.9
45°	152.9	137.9	128.9	119.9	110.9	107.9	104.9	101.9	98.9	98.9
47.5°	140.9	128.9	116.9	110.9	104.9	98.9	95.9	95.9	92.9	92.9
50°	128.9	116.9	107.9	101.9	95.9	92.9	89.9	89.9	86.9	86.9
52.5°	119.9	107.9	101.9	95.9	89.9	86.9	83.9	83.9	80.9	80.9
55°	107.9	98.9	92.9	89.9	83.9	80.9	77.9	74.9	74.9	77.9
57.5°	98.9	92.9	86.9	83.9	77.9	74.9	71.9	71.9	68.9	71.9
60°	89.9	83.9	77.9	74.9	71.9	68.9	65.9	62.9	62.9	62.9
62.5°	80.9	74.9	71.9	65.9	62.9	62.9	60.0	60.0	60.0	57.0
65°	68.9	65.9	62.9	60.0	57.0	54.0	54.0	51.0	51.0	51.0
67.5°	57.0	54.0	51.0	51.0	48.0	45.0	45.0	45.0	45.0	42.0
70°	45.0	42.0	42.0	39.0	39.0	39.0	36.0	36.0	36.0	36.0
72.5°	33.0	33.0	30.0	30.0	30.0	30.0	27.0	27.0	27.0	27.0
75°	24.0	24.0	24.0	21.0	21.0	21.0	18.0	18.0	18.0	18.0
77.5°	15.0	15.0	15.0	15.0	15.0	12.0	12.0	12.0	12.0	12.0
80°	9.0	9.0	9.0	9.0	6.0	6.0	6.0	6.0	6.0	3.0
82.5°	3.0	3.0	3.0	3.0	3.0	3.0	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)