

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: P1283282

Luminaire Tested: P3AS09R35B2750DE010 E3PHLD1MW\_2700K

Issue Date: 1/29/2026

**Test Information**

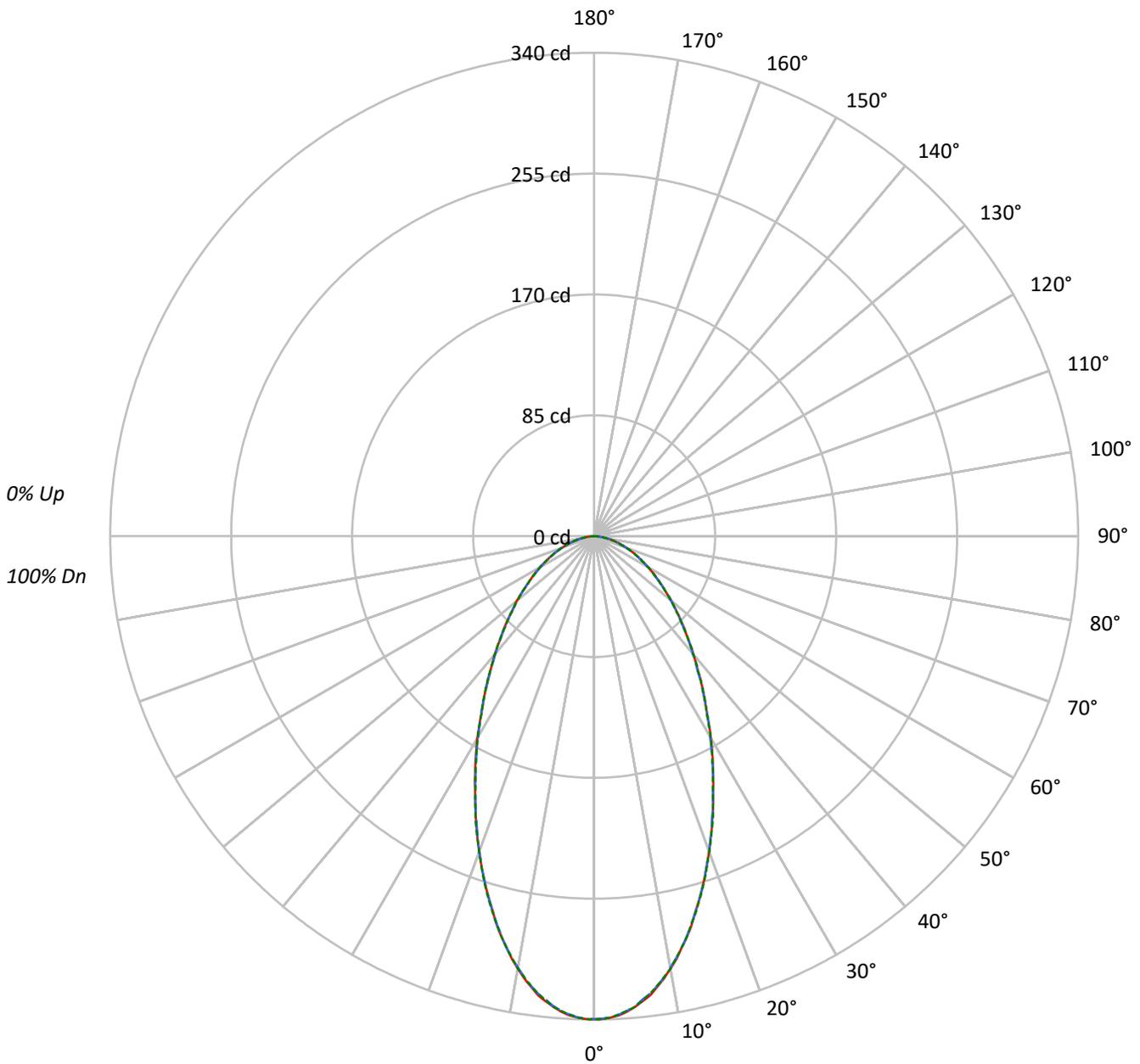
Test Method: LM-79-2019  
Report Number: P1283282  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS09R35B2750DE010 E3PHLD1MW\_2700K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , E3PHLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 454.0 lumens  
Efficiency: N/A  
Efficacy: 34.7 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 13.1  
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



— 0°-180°    - - - 45°-225°    ····· 90°-270°



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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	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	90	88	
2	103	96	90	85	100	94	89	84	90	86	82	87	84	81	84	81	79	79	77	
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	70	68	
4	88	78	71	65	86	77	70	65	75	68	64	72	67	63	70	66	62	62	60	
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	56	54	
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	51	49	
7	72	60	53	47	71	60	52	47	58	52	47	57	51	46	55	50	46	46	44	
8	68	56	48	43	66	55	48	43	54	47	43	53	47	43	52	46	42	42	41	
9	64	52	45	40	63	51	44	40	50	44	39	49	44	39	48	43	39	39	38	
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	36	35	

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

	0°	45°	90°
0°	74512	74512	74512
5°	73123	72991	73123
10°	68758	68625	68758
15°	62248	62248	62384
20°	55095	55095	55095
25°	47906	47785	47785
30°	41551	41247	41399
35°	35764	35603	35764
40°	31030	30858	31030
45°	27259	27073	27073
50°	24187	23982	23982
55°	21294	21294	21294
60°	19253	19034	19253
65°	17330	17330	17330
70°	15387	15387	15387
75°	13895	13386	13895
80°	11870	11870	11870
85°	7296	7296	7296

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 27259 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	30.9	6.8
10°-20°	76.5	16.8
20°-30°	90.9	20.0
30°-40°	83.5	18.4
40°-50°	67.8	14.9
50°-60°	50.2	11.1
60°-70°	33.2	7.3
70°-80°	17.2	3.8
80°-90°	3.9	0.9
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°	198.3	43.7
0°-40°	281.8	62.1
0°-60°	399.8	88.1
0°-90°	454.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	454.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	340	340	340	340	340	
5°	332	332	332	332	332	31
15°	274	274	274	274	275	77
25°	198	198	198	198	198	91
35°	134	133	133	134	134	84
45°	88	87	87	87	87	68
55°	56	56	56	56	56	50
65°	33	33	33	33	33	33
75°	16	16	16	16	16	17
85°	3	3	3	3	3	4
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	339.8	339.8	339.8	339.8	339.8
1°	339.8	339.3	339.3	339.3	339.8
2°	338.7	338.7	338.7	338.7	338.7
3°	337.5	336.9	336.9	336.9	336.9
4°	335.1	334.6	334.6	334.6	334.6
5°	332.2	331.6	331.6	331.6	332.2
6°	328.7	328.1	327.5	327.5	328.1
7°	325.2	324.0	324.0	324.0	324.0
8°	319.9	319.3	319.3	319.3	319.3
9°	314.6	313.5	314.1	314.1	314.1
10°	308.8	308.2	308.2	308.2	308.8
11°	302.9	302.3	302.3	301.8	302.3
12°	295.9	295.9	295.9	295.9	295.9
13°	289.4	288.9	288.9	288.9	289.4
14°	282.4	281.8	281.8	281.8	281.8
15°	274.2	274.2	274.2	274.2	274.8
17.5°	255.5	254.9	255.5	255.5	256.0
20°	236.1	235.5	236.1	236.1	236.1
22.5°	216.8	216.8	216.2	216.8	217.4
25°	198.0	197.5	197.5	198.0	197.5
27.5°	180.5	179.9	179.9	179.9	179.9
30°	164.1	162.9	162.9	163.5	163.5
32.5°	147.1	147.1	147.7	147.1	147.1
35°	133.6	133.0	133.0	133.6	133.6
37.5°	120.1	119.5	119.5	120.1	120.1
40°	108.4	108.4	107.8	108.4	108.4
42.5°	97.3	97.3	97.3	97.3	97.3
45°	87.9	87.3	87.3	87.3	87.3
47.5°	78.5	78.5	78.5	77.9	78.5
50°	70.9	70.3	70.3	70.3	70.3
52.5°	62.7	62.7	62.7	62.7	62.7
55°	55.7	55.7	55.7	55.7	55.7
57.5°	49.8	49.2	49.2	49.2	49.2
60°	43.9	43.9	43.4	43.9	43.9
62.5°	38.1	38.1	38.1	38.1	38.1
65°	33.4	33.4	33.4	33.4	33.4
67.5°	28.7	28.7	28.7	28.7	28.7
70°	24.0	24.0	24.0	24.0	24.0
72.5°	20.5	19.9	19.9	19.9	19.9
75°	16.4	16.4	15.8	16.4	16.4
77.5°	12.3	12.3	12.3	12.3	12.3
80°	9.4	9.4	9.4	8.8	9.4
82.5°	5.9	5.9	5.9	5.9	5.9
85°	2.9	2.9	2.9	2.9	2.9
87.5°	0.6	0.6	0.6	1.2	1.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)