

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: P1296784

Luminaire Tested: P3A13R35W2N902750DE010 E3PHLP1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1296784
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R35W2N902750DE010 E3PHLP1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 2700K CCT AND, 90CRI ,
E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

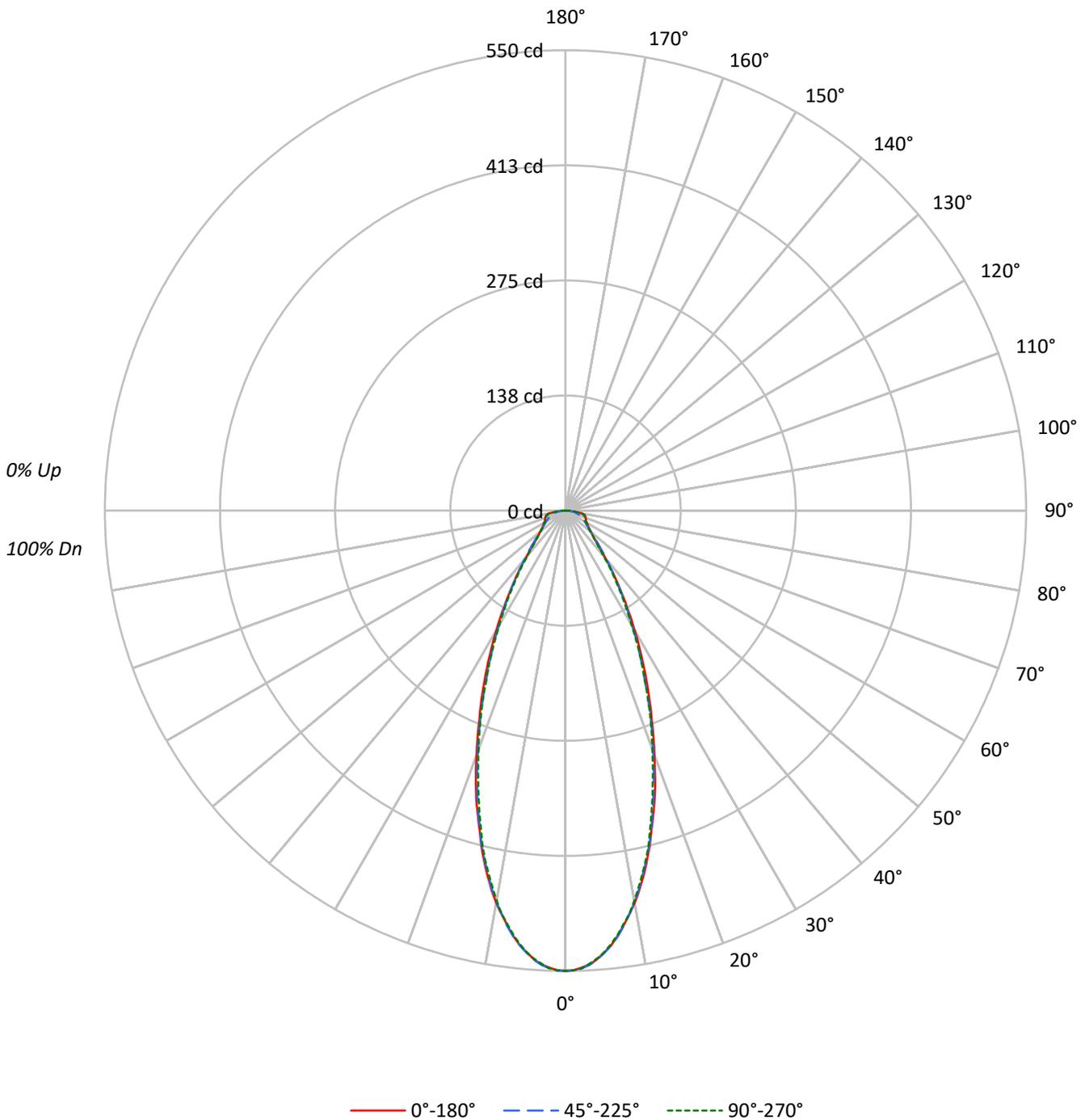
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 455.0 lumens
Efficiency: N/A
Efficacy: 37.0 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 12.3
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		
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89		
2	104	98	92	88	101	96	91	87	92	88	85	89	86	83	86	84	81	79		
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	72		
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65		
5	86	76	69	64	84	75	69	64	73	68	63	72	67	63	70	65	62	60		
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	57	56		
7	77	66	60	55	76	66	59	54	64	58	54	63	58	54	62	57	54	52		
8	73	62	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	49		
9	70	59	52	48	68	58	52	48	57	52	47	56	51	47	55	51	47	46		
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	43		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	120582	120582	120582
5°	116619	116773	116619
10°	105943	105787	105342
15°	89944	89626	88831
20°	72410	71430	70799
25°	55963	54293	54293
30°	41728	40335	39981
35°	30035	29660	28911
40°	21011	21612	20209
45°	15692	16529	15257
50°	13475	13475	13236
55°	12692	12196	12463
60°	13069	11841	12455
65°	14009	11882	13646
70°	16413	12438	15964
75°	20503	12878	19910
80°	26266	14017	23614
85°	20882	13838	20882

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 26266 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.8	10.7
10°-20°	109.0	24.0
20°-30°	104.1	22.9
30°-40°	69.9	15.4
40°-50°	41.0	9.0
50°-60°	29.4	6.5
60°-70°	24.4	5.4
70°-80°	20.0	4.4
80°-90°	8.3	1.8
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°	261.9	57.6
0°-40°	331.9	72.9
0°-60°	402.3	88.4
0°-90°	455.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	455.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	550	550	550	550	550	
5°	530	531	530	530	530	49
15°	396	397	395	392	391	110
25°	231	229	224	224	224	106
35°	112	112	111	109	108	71
45°	51	52	53	51	49	41
55°	33	33	32	32	33	30
65°	27	24	23	24	26	27
75°	24	19	15	19	24	25
85°	8	9	6	9	8	9
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	549.9	549.9	549.9	549.9	549.9
1°	549.2	549.9	549.9	549.2	549.2
2°	546.5	547.9	547.2	546.5	547.2
3°	543.0	544.4	543.7	543.0	542.3
4°	537.5	538.9	538.2	536.8	536.8
5°	529.8	531.2	530.5	529.8	529.8
6°	522.2	523.6	522.2	520.8	520.8
7°	511.8	513.9	512.5	511.1	510.5
8°	500.1	502.1	500.8	500.1	498.7
9°	488.3	489.7	487.6	487.6	487.6
10°	475.8	476.5	475.1	473.1	473.1
11°	462.0	461.3	460.6	459.2	457.8
12°	446.7	446.7	444.7	443.3	442.6
13°	430.8	430.1	428.7	427.3	427.3
14°	414.2	414.2	412.8	410.0	410.7
15°	396.2	396.9	394.8	392.0	391.3
17.5°	355.3	353.9	350.5	348.4	346.3
20°	310.3	309.6	306.1	304.1	303.4
22.5°	268.7	268.0	264.6	262.5	263.9
25°	231.3	228.6	224.4	224.4	224.4
27.5°	196.7	193.2	190.5	189.1	190.5
30°	164.8	162.1	159.3	158.6	157.9
32.5°	136.4	135.1	133.7	131.6	131.6
35°	112.2	112.2	110.8	108.7	108.0
37.5°	91.4	92.1	91.4	89.3	88.7
40°	73.4	74.8	75.5	73.4	70.6
42.5°	60.3	62.3	63.7	60.3	58.2
45°	50.6	51.9	53.3	50.6	49.2
47.5°	44.3	45.0	45.7	43.6	42.9
50°	39.5	39.5	39.5	38.8	38.8
52.5°	36.0	36.0	35.3	34.6	34.6
55°	33.2	32.6	31.9	31.9	32.6
57.5°	31.2	30.5	29.1	29.8	30.5
60°	29.8	28.4	27.0	27.7	28.4
62.5°	27.7	26.3	24.9	25.6	27.0
65°	27.0	24.2	22.9	24.2	26.3
67.5°	26.3	22.9	20.8	22.9	25.6
70°	25.6	21.5	19.4	21.5	24.9
72.5°	24.9	20.1	17.3	20.1	24.2
75°	24.2	18.7	15.2	18.7	23.5
77.5°	22.9	17.3	13.2	17.3	21.5
80°	20.8	15.9	11.1	15.2	18.7
82.5°	15.2	13.2	9.0	13.2	13.9
85°	8.3	9.0	5.5	9.0	8.3
87.5°	0.7	1.4	1.4	4.2	2.8



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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)