

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: P1287176

Luminaire Tested: P3AS13R359030D2WDE010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1287176
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: P3AS13R359030D2WDE010 E3PHLP1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R35 optic, 3000K CCT AND, 90CRI ,
E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

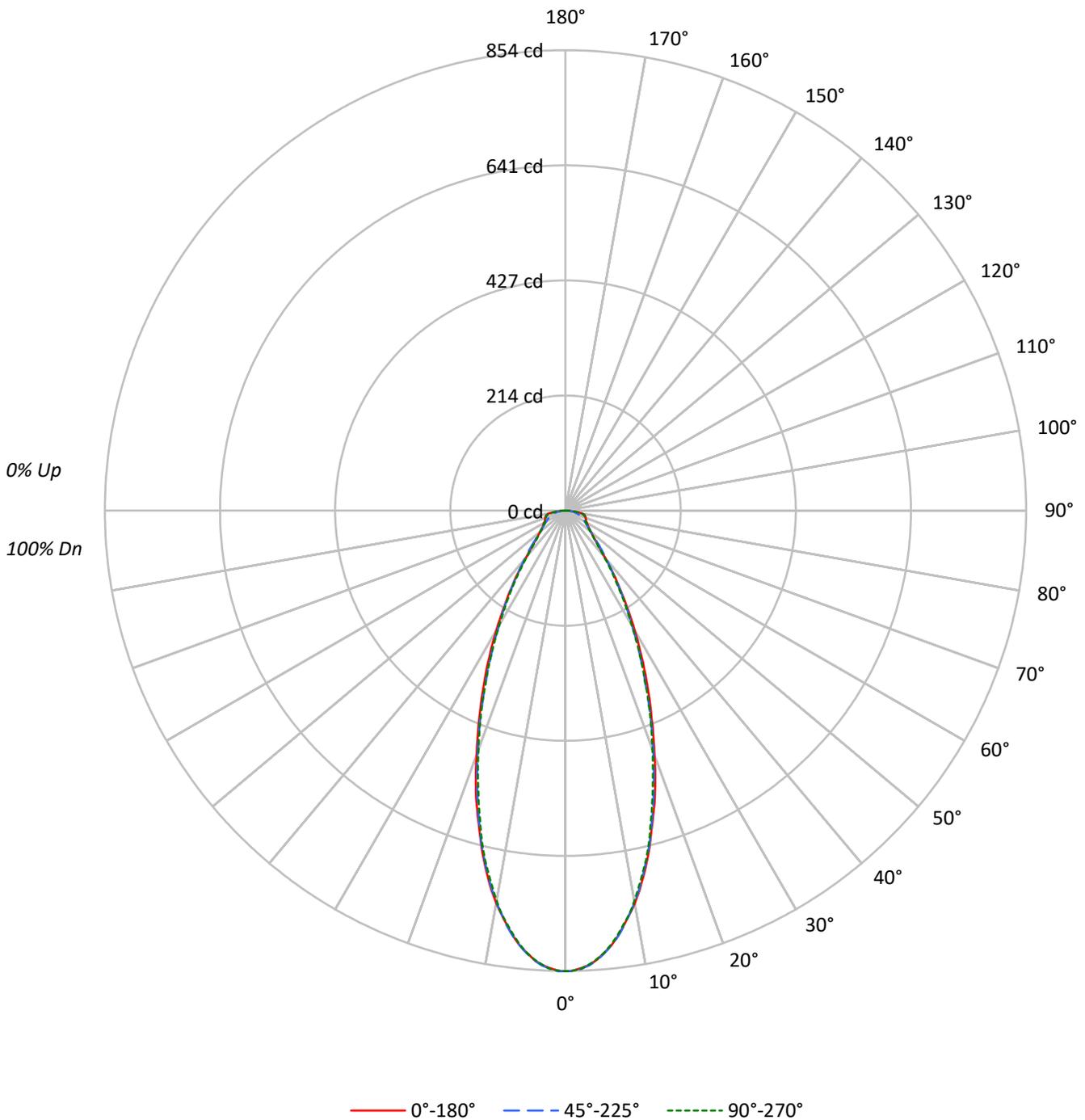
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 707.0 lumens
Efficiency: N/A
Efficacy: 35.2 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): 20.1
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





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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°	187375	187375	187375
5°	181223	181466	181223
10°	164637	164392	163680
15°	139751	139252	138048
20°	112500	111006	110003
25°	86981	84368	84368
30°	64845	62668	62136
35°	46659	46097	44946
40°	32661	33577	31430
45°	24375	25708	23692
50°	20912	20912	20571
55°	19765	18924	19345
60°	20305	18420	19341
65°	21792	18420	21221
70°	25517	19298	24812
75°	31941	20079	31009
80°	40788	21720	36747
85°	32456	21637	32456

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 40788 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.9	10.7
10°-20°	169.4	24.0
20°-30°	161.8	22.9
30°-40°	108.6	15.4
40°-50°	63.8	9.0
50°-60°	45.6	6.5
60°-70°	38.0	5.4
70°-80°	31.1	4.4
80°-90°	12.8	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°	407.0	57.6
0°-40°	515.7	72.9
0°-60°	625.1	88.4
0°-90°	707.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	707.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	854	854	854	854	854	
5°	823	826	824	823	823	76
15°	616	617	613	609	608	171
25°	360	355	349	349	349	165
35°	174	174	172	169	168	110
45°	79	81	83	79	76	63
55°	52	51	50	50	51	47
65°	42	38	36	38	41	42
75°	38	29	24	29	37	39
85°	13	14	9	14	13	15
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	854.5	854.5	854.5	854.5	854.5
1°	853.4	854.5	854.5	853.4	853.4
2°	849.1	851.3	850.2	849.1	850.2
3°	843.8	845.9	844.8	843.8	842.7
4°	835.1	837.3	836.2	834.1	834.1
5°	823.3	825.5	824.4	823.3	823.3
6°	811.5	813.6	811.5	809.3	809.3
7°	795.3	798.6	796.4	794.2	793.2
8°	777.0	780.3	778.1	777.0	774.9
9°	758.7	760.9	757.7	757.7	757.7
10°	739.4	740.4	738.3	735.1	735.1
11°	717.8	716.8	715.7	713.5	711.4
12°	694.2	694.2	690.9	688.8	687.7
13°	669.4	668.3	666.2	664.0	664.0
14°	643.6	643.6	641.4	637.1	638.2
15°	615.6	616.7	613.4	609.1	608.1
17.5°	552.1	549.9	544.6	541.3	538.1
20°	482.1	481.1	475.7	472.5	471.4
22.5°	417.6	416.5	411.1	407.9	410.0
25°	359.5	355.2	348.7	348.7	348.7
27.5°	305.6	300.3	296.0	293.8	296.0
30°	256.1	251.8	247.5	246.5	245.4
32.5°	212.0	209.9	207.7	204.5	204.5
35°	174.3	174.3	172.2	169.0	167.9
37.5°	142.1	143.1	142.1	138.8	137.8
40°	114.1	116.2	117.3	114.1	109.8
42.5°	93.6	96.9	99.0	93.6	90.4
45°	78.6	80.7	82.9	78.6	76.4
47.5°	68.9	70.0	71.0	67.8	66.7
50°	61.3	61.3	61.3	60.3	60.3
52.5°	56.0	56.0	54.9	53.8	53.8
55°	51.7	50.6	49.5	49.5	50.6
57.5°	48.4	47.4	45.2	46.3	47.4
60°	46.3	44.1	42.0	43.0	44.1
62.5°	43.0	40.9	38.7	39.8	42.0
65°	42.0	37.7	35.5	37.7	40.9
67.5°	40.9	35.5	32.3	35.5	39.8
70°	39.8	33.4	30.1	33.4	38.7
72.5°	38.7	31.2	26.9	31.2	37.7
75°	37.7	29.1	23.7	29.1	36.6
77.5°	35.5	26.9	20.4	26.9	33.4
80°	32.3	24.8	17.2	23.7	29.1
82.5°	23.7	20.4	14.0	20.4	21.5
85°	12.9	14.0	8.6	14.0	12.9
87.5°	1.1	2.2	2.2	6.5	4.3



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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)