

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: P1257422

Luminaire Tested: P3AS13R359040DE010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1257422
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: P3AS13R359040DE010 E3PHLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

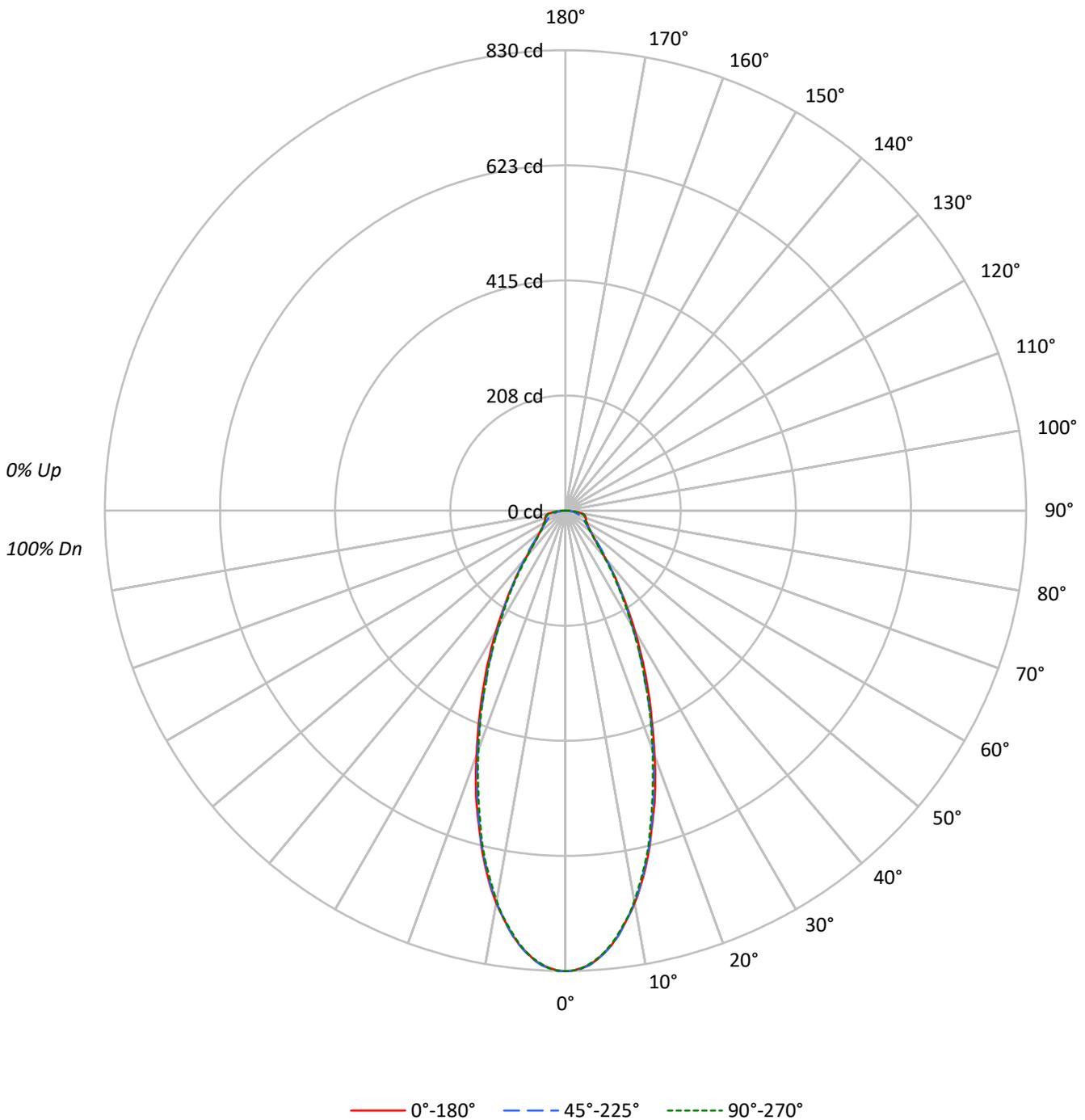
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 687.0 lumens
Efficiency: N/A
Efficacy: 47.1 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): 14.6
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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	91	91	91	89
2	104	98	92	88	101	96	91	87	92	88	85	89	86	83	86	84	81	81	81	81	79
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	74	74	74	72
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	67	67	67	65
5	86	76	69	64	84	75	69	64	73	68	63	72	67	63	70	66	62	62	62	62	60
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	57	57	57	57	56
7	77	66	60	55	76	66	59	54	64	58	54	63	58	54	62	57	54	54	54	54	52
8	73	62	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	50	50	50	49
9	70	59	52	48	68	58	52	48	57	52	47	56	51	47	55	51	47	47	47	47	46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	44	44	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	182069	182069	182069
5°	176095	176337	176095
10°	159961	159739	159048
15°	135801	135324	134144
20°	109326	107856	106876
25°	84513	81972	81972
30°	63022	60895	60364
35°	45347	44785	43661
40°	31745	32633	30543
45°	23661	24964	23010
50°	20332	20332	19991
55°	19192	18389	18809
60°	19735	17893	18814
65°	21170	17901	20599
70°	24812	18785	24107
75°	31009	19486	30162
80°	39652	21089	35611
85°	31450	21134	31450

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 39652 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.8	10.7
10°-20°	164.6	24.0
20°-30°	157.2	22.9
30°-40°	105.6	15.4
40°-50°	62.0	9.0
50°-60°	44.3	6.5
60°-70°	36.9	5.4
70°-80°	30.2	4.4
80°-90°	12.5	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°	395.5	57.6
0°-40°	501.1	72.9
0°-60°	607.4	88.4
0°-90°	687.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	687.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	830	830	830	830	830	
5°	800	802	801	800	800	74
15°	598	599	596	592	591	166
25°	349	345	339	339	339	160
35°	169	169	167	164	163	107
45°	76	78	80	76	74	61
55°	50	49	48	48	49	46
65°	41	37	34	37	40	41
75°	37	28	23	28	36	38
85°	12	14	8	14	12	14
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	830.3	830.3	830.3	830.3	830.3
1°	829.3	830.3	830.3	829.3	829.3
2°	825.1	827.2	826.2	825.1	826.2
3°	819.9	822.0	820.9	819.9	818.8
4°	811.5	813.6	812.6	810.5	810.5
5°	800.0	802.1	801.1	800.0	800.0
6°	788.5	790.6	788.5	786.4	786.4
7°	772.8	776.0	773.9	771.8	770.7
8°	755.0	758.2	756.1	755.0	753.0
9°	737.3	739.4	736.2	736.2	736.2
10°	718.4	719.5	717.4	714.3	714.3
11°	697.5	696.5	695.4	693.3	691.3
12°	674.5	674.5	671.4	669.3	668.2
13°	650.5	649.4	647.3	645.2	645.2
14°	625.4	625.4	623.3	619.1	620.1
15°	598.2	599.2	596.1	591.9	590.9
17.5°	536.5	534.4	529.2	526.0	522.9
20°	468.5	467.5	462.2	459.1	458.0
22.5°	405.8	404.7	399.5	396.3	398.4
25°	349.3	345.1	338.8	338.8	338.8
27.5°	297.0	291.8	287.6	285.5	287.6
30°	248.9	244.7	240.5	239.5	238.4
32.5°	206.0	203.9	201.8	198.7	198.7
35°	169.4	169.4	167.3	164.2	163.1
37.5°	138.0	139.1	138.0	134.9	133.9
40°	110.9	112.9	114.0	110.9	106.7
42.5°	91.0	94.1	96.2	91.0	87.8
45°	76.3	78.4	80.5	76.3	74.2
47.5°	66.9	68.0	69.0	65.9	64.8
50°	59.6	59.6	59.6	58.6	58.6
52.5°	54.4	54.4	53.3	52.3	52.3
55°	50.2	49.2	48.1	48.1	49.2
57.5°	47.1	46.0	43.9	45.0	46.0
60°	45.0	42.9	40.8	41.8	42.9
62.5°	41.8	39.7	37.6	38.7	40.8
65°	40.8	36.6	34.5	36.6	39.7
67.5°	39.7	34.5	31.4	34.5	38.7
70°	38.7	32.4	29.3	32.4	37.6
72.5°	37.6	30.3	26.1	30.3	36.6
75°	36.6	28.2	23.0	28.2	35.6
77.5°	34.5	26.1	19.9	26.1	32.4
80°	31.4	24.1	16.7	23.0	28.2
82.5°	23.0	19.9	13.6	19.9	20.9
85°	12.5	13.6	8.4	13.6	12.5
87.5°	1.0	2.1	2.1	6.3	4.2



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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)