

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: P1248892

Luminaire Tested: P3AS09R359027DE010 E3PH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1248892
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS09R359027DE010 E3PH1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , E3PH1MW TRIM
Light Source: -
Ballast/Driver: -

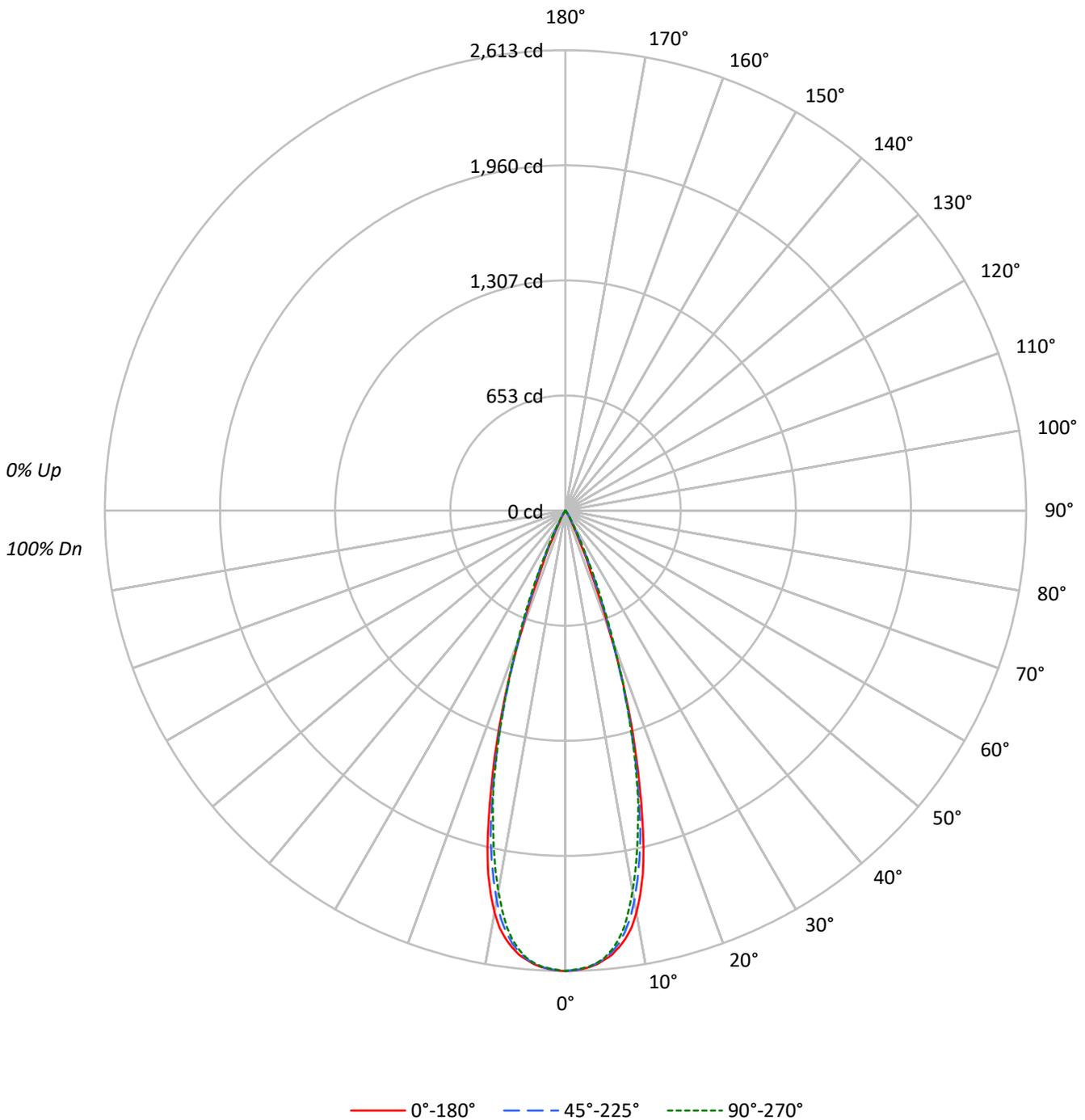
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 793.0 lumens
Efficiency: N/A
Efficacy: 71.4 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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

TEST NUMBER: P1248892
CATALOG NUMBER: P3AS09R359027DE010 E3PH1MW

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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93
3	108	103	100	97	106	102	99	96	99	97	94	97	95	93	95	93	92	90
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	93	90	89	87
5	101	95	91	88	100	95	91	88	93	90	87	92	89	87	90	88	86	85
6	98	92	88	85	97	91	88	85	90	87	84	89	86	84	88	85	83	82
7	96	89	85	82	94	89	85	82	87	84	81	86	83	81	85	83	81	80
8	93	86	82	79	92	86	82	79	85	81	79	84	81	79	83	80	78	77
9	90	84	80	77	89	83	79	77	82	79	76	82	79	76	81	78	76	75
10	88	81	77	75	87	81	77	74	80	77	74	80	76	74	79	76	74	73

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	572915	572915	572915
5°	563063	561874	560663
10°	516045	500525	488368
15°	369514	357732	353396
20°	171352	177232	183463
25°	40648	57850	60318
30°	11926	13673	15395
35°	2730	4390	4015
40°	573	1174	773
45°	217	217	217
50°	239	0	239
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 252 cd/sqm



TEST NUMBER: P1248892
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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.6	29.6
10°-20°	419.3	52.9
20°-30°	126.2	15.9
30°-40°	12.1	1.5
40°-50°	0.8	0.1
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	780.1	98.4
0°-40°	792.1	99.9
0°-60°	793.0	100.0
0°-90°	793.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	793.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2613	2613	2613	2613	2613	
5°	2558	2557	2553	2549	2547	237
15°	1628	1615	1576	1569	1557	430
25°	168	185	239	249	249	108
35°	10	14	16	18	15	9
45°	1	1	1	1	1	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2612.7	2612.7	2612.7	2612.7	2612.7
1°	2611.3	2611.3	2609.9	2609.9	2607.2
2°	2605.1	2605.8	2603.1	2602.4	2600.4
3°	2595.6	2593.5	2593.5	2592.2	2590.8
4°	2580.6	2576.5	2575.1	2575.8	2573.0
5°	2558.0	2557.3	2552.6	2549.1	2547.1
6°	2533.4	2528.6	2518.4	2509.5	2507.5
7°	2496.5	2486.3	2477.4	2459.0	2456.2
8°	2451.5	2435.1	2415.9	2390.0	2388.6
9°	2396.1	2369.5	2342.9	2308.0	2295.7
10°	2317.6	2293.0	2247.9	2217.2	2193.3
11°	2219.9	2189.2	2136.6	2099.7	2079.9
12°	2109.3	2080.6	2019.1	1985.6	1957.6
13°	1967.2	1943.3	1885.9	1849.0	1827.2
14°	1802.6	1784.8	1730.2	1713.8	1706.3
15°	1627.7	1615.4	1575.8	1569.0	1556.7
17.5°	1198.1	1177.6	1155.0	1159.1	1163.2
20°	734.3	763.0	759.5	774.6	786.2
22.5°	366.1	403.0	446.0	472.0	485.0
25°	168.0	185.1	239.1	249.3	249.3
27.5°	84.7	88.8	112.7	114.8	120.2
30°	47.1	50.5	54.0	60.1	60.8
32.5°	23.9	28.0	29.4	32.8	31.4
35°	10.2	13.7	16.4	17.8	15.0
37.5°	4.8	6.1	8.9	8.2	6.1
40°	2.0	2.7	4.1	3.4	2.7
42.5°	1.4	1.4	2.0	1.4	1.4
45°	0.7	0.7	0.7	0.7	0.7
47.5°	0.7	0.7	0.0	0.7	0.7
50°	0.7	0.0	0.0	0.0	0.7
52.5°	0.7	0.0	0.0	0.0	0.7
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1248892
CATALOG NUMBER: P3AS09R359027DE010 E3PH1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)