

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: P1246146

Luminaire Tested: P3A05R359024DE010 E3PH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246146
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: P3A05R359024DE010 E3PH1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , E3PH1MW TRIM
Light Source: -
Ballast/Driver: -

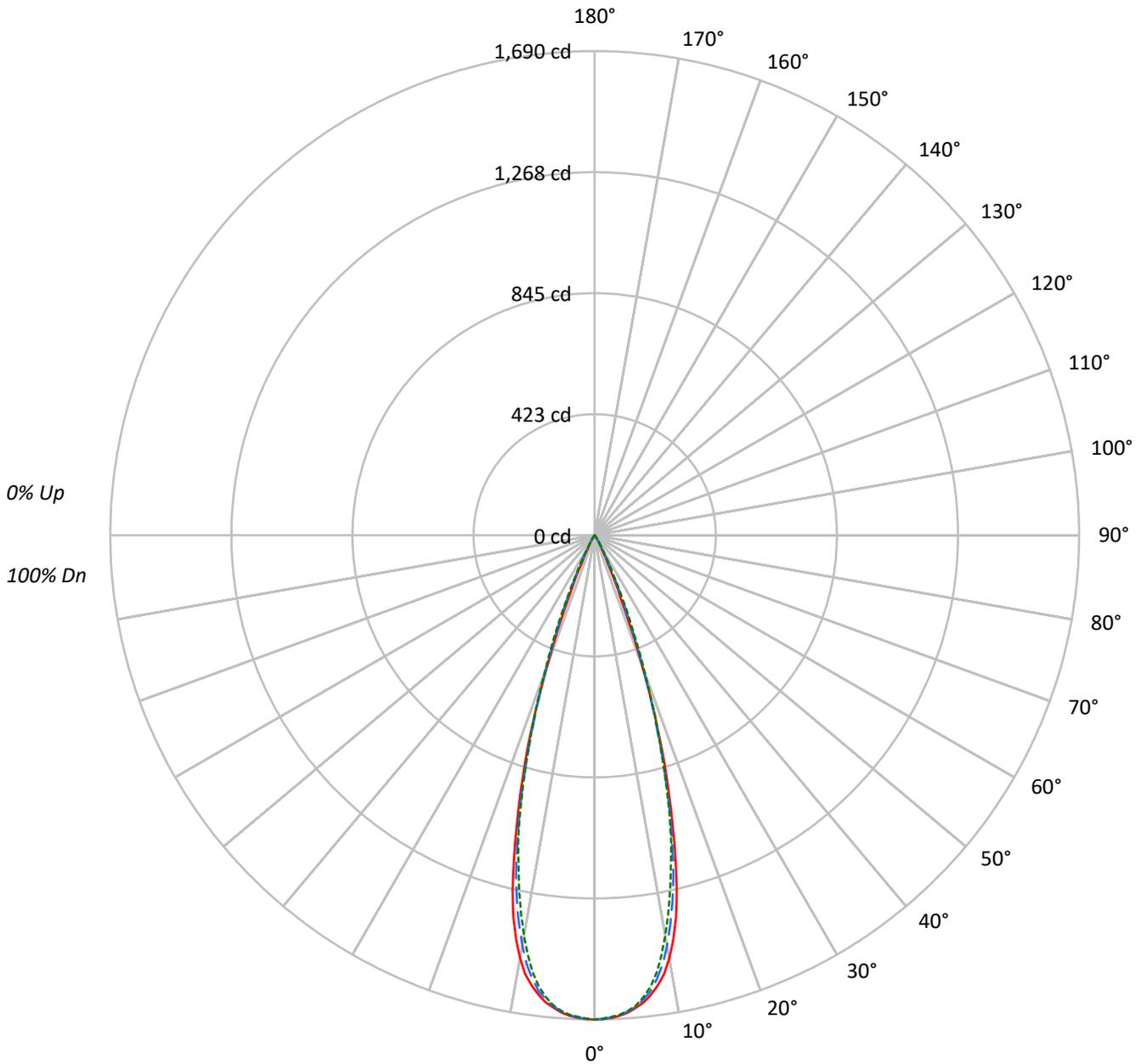
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 513.0 lumens
Efficiency: N/A
Efficacy: 71.2 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): 7.2
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: P1246146
CATALOG NUMBER: P3A05R359024DE010 E3PH1MW

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	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°	370628	370628	370628
5°	364252	363481	362689
10°	333839	323797	315915
15°	239048	231420	228605
20°	110843	114670	118684
25°	26300	37430	39026
30°	7723	8837	9951
35°	1767	2838	2597
40°	372	773	515
45°	124	124	124
50°	136	0	136
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: 144 cd/sqm



TEST NUMBER: P1246146
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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.7	29.6
10°-20°	271.3	52.9
20°-30°	81.6	15.9
30°-40°	7.8	1.5
40°-50°	0.5	0.1
50°-60°	0.0	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°	504.6	98.4
0°-40°	512.4	99.9
0°-60°	513.0	100.0
0°-90°	513.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	513.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1690	1690	1690	1690	1690	
5°	1655	1654	1651	1649	1648	153
15°	1053	1045	1019	1015	1007	278
25°	109	120	155	161	161	70
35°	7	9	11	12	10	6
45°	0	0	0	0	0	0
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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 CATALOG NUMBER: P3A05R359024DE010 E3PH1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1690.2	1690.2	1690.2	1690.2	1690.2
1°	1689.3	1689.3	1688.4	1688.4	1686.6
2°	1685.3	1685.7	1684.0	1683.5	1682.2
3°	1679.1	1677.8	1677.8	1676.9	1676.0
4°	1669.4	1666.7	1665.9	1666.3	1664.5
5°	1654.8	1654.4	1651.3	1649.1	1647.7
6°	1638.9	1635.8	1629.2	1623.4	1622.1
7°	1615.0	1608.4	1602.7	1590.7	1589.0
8°	1585.9	1575.3	1562.9	1546.1	1545.2
9°	1550.1	1532.9	1515.6	1493.1	1485.1
10°	1499.3	1483.4	1454.2	1434.3	1418.8
11°	1436.1	1416.2	1382.2	1358.3	1345.5
12°	1364.5	1345.9	1306.2	1284.5	1266.4
13°	1272.6	1257.1	1220.0	1196.1	1182.0
14°	1166.1	1154.6	1119.3	1108.7	1103.8
15°	1053.0	1045.0	1019.4	1015.0	1007.0
17.5°	775.0	761.8	747.2	749.9	752.5
20°	475.0	493.6	491.4	501.1	508.6
22.5°	236.8	260.7	288.5	305.3	313.7
25°	108.7	119.7	154.7	161.3	161.3
27.5°	54.8	57.4	72.9	74.2	77.8
30°	30.5	32.7	34.9	38.9	39.3
32.5°	15.5	18.1	19.0	21.2	20.3
35°	6.6	8.8	10.6	11.5	9.7
37.5°	3.1	4.0	5.7	5.3	4.0
40°	1.3	1.8	2.7	2.2	1.8
42.5°	0.9	0.9	1.3	0.9	0.9
45°	0.4	0.4	0.4	0.4	0.4
47.5°	0.4	0.4	0.0	0.4	0.4
50°	0.4	0.0	0.0	0.0	0.4
52.5°	0.4	0.0	0.0	0.0	0.4
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: P1246146
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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)