

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: P1251223

Luminaire Tested: P3AS05R359030DE010 E3PH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1251223
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: P3AS05R359030DE010 E3PH1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , E3PH1MW TRIM
Light Source: -
Ballast/Driver: -

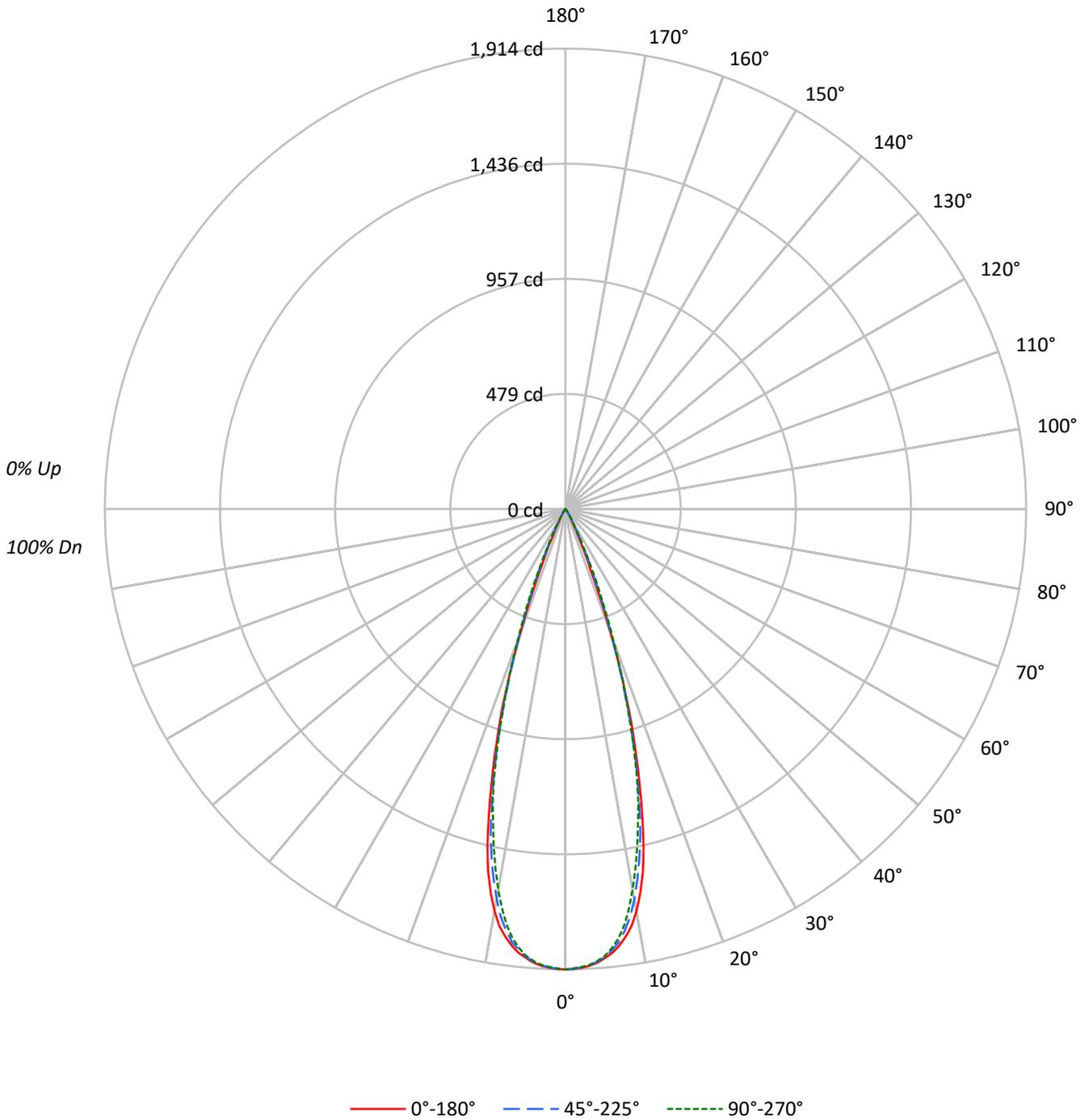
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 581.0 lumens
Efficiency: N/A
Efficacy: 80.7 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

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	419747	419747	419747
5°	412546	411665	410785
10°	378083	366727	357798
15°	270739	262090	258912
20°	125544	129861	134412
25°	29784	42390	44204
30°	8736	10002	11268
35°	2008	3212	2945
40°	429	859	573
45°	155	155	155
50°	171	0	171
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: 180 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.9	29.6
10°-20°	307.2	52.9
20°-30°	92.4	15.9
30°-40°	8.8	1.5
40°-50°	0.6	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°	571.5	98.4
0°-40°	580.4	99.9
0°-60°	581.0	100.0
0°-90°	581.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	581.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1914	1914	1914	1914	1914	
5°	1874	1874	1870	1868	1866	174
15°	1193	1184	1154	1150	1140	315
25°	123	136	175	183	183	79
35°	8	10	12	13	11	7
45°	0	0	0	0	0	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°	1914.2	1914.2	1914.2	1914.2	1914.2
1°	1913.2	1913.2	1912.2	1912.2	1910.2
2°	1908.7	1909.2	1907.2	1906.7	1905.2
3°	1901.7	1900.2	1900.2	1899.2	1898.2
4°	1890.7	1887.7	1886.7	1887.2	1885.2
5°	1874.2	1873.7	1870.2	1867.7	1866.2
6°	1856.1	1852.6	1845.1	1838.6	1837.1
7°	1829.1	1821.6	1815.1	1801.6	1799.6
8°	1796.1	1784.1	1770.1	1751.0	1750.0
9°	1755.6	1736.0	1716.5	1691.0	1682.0
10°	1698.0	1680.0	1647.0	1624.4	1606.9
11°	1626.4	1603.9	1565.4	1538.4	1523.8
12°	1545.4	1524.3	1479.3	1454.8	1434.3
13°	1441.3	1423.8	1381.7	1354.7	1338.7
14°	1320.7	1307.7	1267.6	1255.6	1250.1
15°	1192.6	1183.5	1154.5	1149.5	1140.5
17.5°	877.8	862.8	846.2	849.3	852.3
20°	538.0	559.0	556.5	567.5	576.0
22.5°	268.2	295.3	326.8	345.8	355.3
25°	123.1	135.6	175.2	182.7	182.7
27.5°	62.1	65.1	82.6	84.1	88.1
30°	34.5	37.0	39.5	44.0	44.5
32.5°	17.5	20.5	21.5	24.0	23.0
35°	7.5	10.0	12.0	13.0	11.0
37.5°	3.5	4.5	6.5	6.0	4.5
40°	1.5	2.0	3.0	2.5	2.0
42.5°	1.0	1.0	1.5	1.0	1.0
45°	0.5	0.5	0.5	0.5	0.5
47.5°	0.5	0.5	0.0	0.5	0.5
50°	0.5	0.0	0.0	0.0	0.5
52.5°	0.5	0.0	0.0	0.0	0.5
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



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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)