

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: P1293144

Luminaire Tested: P3A09R35W2N902765DE010 E3PH1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1293144
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: P3A09R35W2N902765DE010 E3PH1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 2700K CCT AND, 90CRI ,
E3PH1MW TRIM
Light Source: -
Ballast/Driver: -

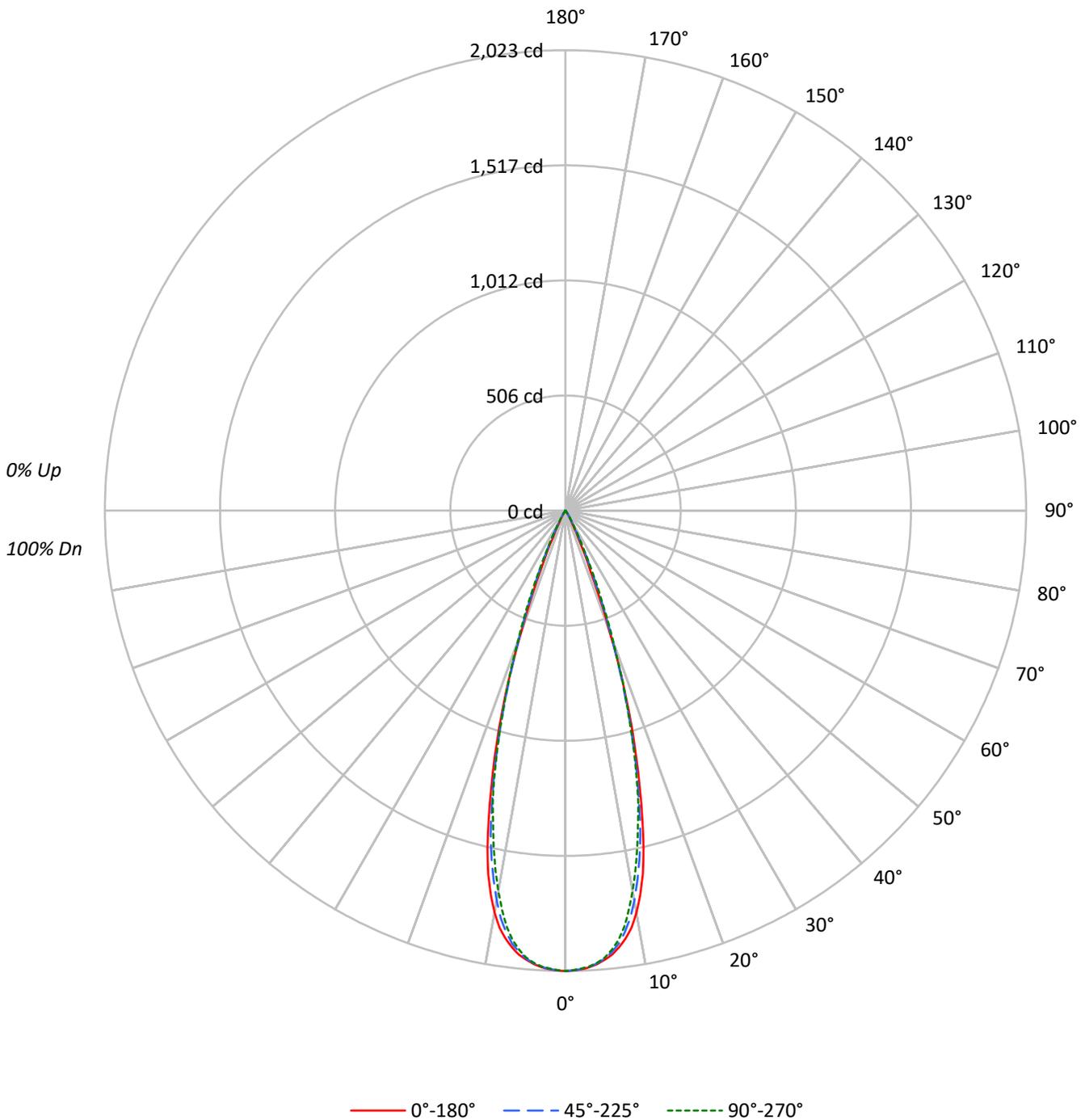
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 614.0 lumens
Efficiency: N/A
Efficacy: 68.2 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): 9
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: P1293144
CATALOG NUMBER: P3A09R35W2N902765DE010 E3PH1MW_2700K

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°	443583	443583	443583
5°	435966	435042	434095
10°	399547	387546	378127
15°	286108	276982	273622
20°	132662	137235	142042
25°	31478	44785	46696
30°	9242	10584	11926
35°	2115	3400	3105
40°	458	916	601
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



TEST NUMBER: P1293144

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.6	29.6
10°-20°	324.7	52.9
20°-30°	97.7	15.9
30°-40°	9.3	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°	604.0	98.4
0°-40°	613.3	99.9
0°-60°	614.0	100.0
0°-90°	614.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	614.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2023	2023	2023	2023	2023	
5°	1981	1980	1976	1974	1972	184
15°	1260	1251	1220	1215	1205	333
25°	130	143	185	193	193	84
35°	8	11	13	14	12	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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CATALOG NUMBER: P3A09R35W2N902765DE010 E3PH1MW_2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2022.9	2022.9	2022.9	2022.9	2022.9
1°	2021.9	2021.9	2020.8	2020.8	2018.7
2°	2017.1	2017.6	2015.5	2015.0	2013.4
3°	2009.7	2008.1	2008.1	2007.1	2006.0
4°	1998.1	1994.9	1993.8	1994.4	1992.2
5°	1980.6	1980.1	1976.4	1973.7	1972.1
6°	1961.6	1957.9	1949.9	1943.1	1941.5
7°	1933.0	1925.1	1918.2	1903.9	1901.8
8°	1898.1	1885.4	1870.6	1850.5	1849.4
9°	1855.3	1834.6	1814.0	1787.0	1777.5
10°	1794.4	1775.4	1740.5	1716.7	1698.2
11°	1718.8	1695.0	1654.3	1625.7	1610.4
12°	1633.1	1610.9	1563.3	1537.4	1515.7
13°	1523.1	1504.6	1460.2	1431.6	1414.7
14°	1395.7	1381.9	1339.6	1326.9	1321.1
15°	1260.3	1250.8	1220.1	1214.8	1205.3
17.5°	927.6	911.8	894.3	897.5	900.7
20°	568.5	590.7	588.1	599.7	608.7
22.5°	283.5	312.0	345.4	365.4	375.5
25°	130.1	143.3	185.1	193.0	193.0
27.5°	65.6	68.8	87.3	88.8	93.1
30°	36.5	39.1	41.8	46.5	47.1
32.5°	18.5	21.7	22.7	25.4	24.3
35°	7.9	10.6	12.7	13.8	11.6
37.5°	3.7	4.8	6.9	6.3	4.8
40°	1.6	2.1	3.2	2.6	2.1
42.5°	1.1	1.1	1.6	1.1	1.1
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



TEST NUMBER: P1293144
CATALOG NUMBER: P3A09R35W2N902765DE010 E3PH1MW_2700K

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)