

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: P1292982

Luminaire Tested: P3A09R35W2N902750DE010 E3PH1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1292982
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: P3A09R35W2N902750DE010 E3PH1MW_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 4000K CCT AND, 90CRI ,
E3PH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

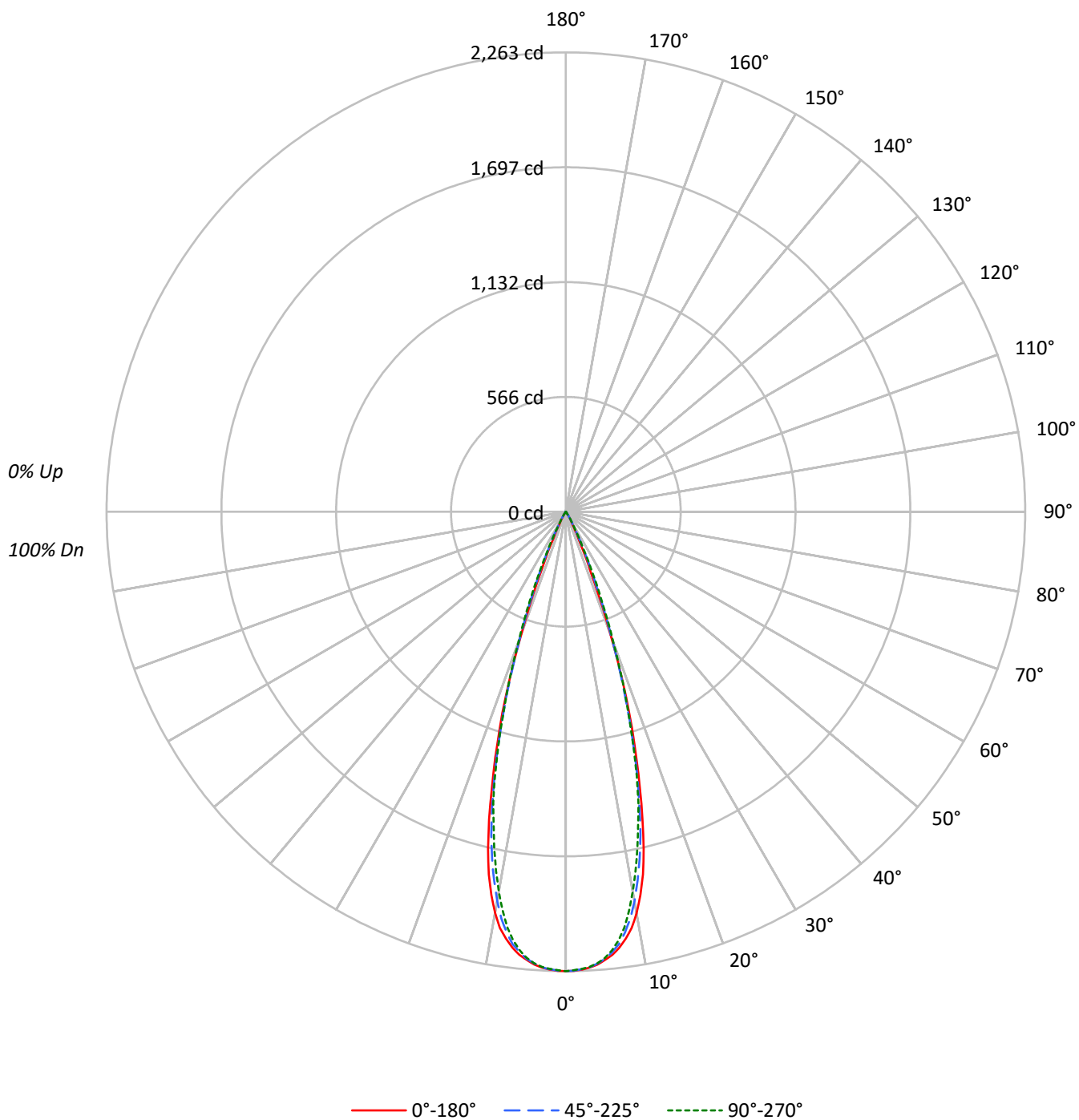
Lumens per Lamp: N/A
Luminaire Lumens: 687.0 lumens
Efficiency: N/A
Efficacy: 76.3 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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°	496320	496320	496320
5°	487804	486770	485713
10°	447064	433615	423083
15°	320115	309922	306154
20°	148436	153547	158937
25°	35228	50108	52261
30°	10331	11825	13344
35°	2382	3801	3480
40°	515	1031	687
45°	186	186	186
50°	205	0	205
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: 216 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.2	29.6
10°-20°	363.3	52.9
20°-30°	109.3	15.9
30°-40°	10.5	1.5
40°-50°	0.7	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°	675.8	98.4
0°-40°	686.2	99.9
0°-60°	687.0	100.0
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°	2263	2263	2263	2263	2263	
5°	2216	2216	2211	2208	2207	205
15°	1410	1400	1365	1359	1349	372
25°	146	160	207	216	216	94
35°	9	12	14	15	13	8
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2263.4	2263.4	2263.4	2263.4	2263.4
1°	2262.2	2262.2	2261.1	2261.1	2258.7
2°	2256.9	2257.5	2255.1	2254.6	2252.8
3°	2248.6	2246.9	2246.9	2245.7	2244.5
4°	2235.6	2232.1	2230.9	2231.5	2229.1
5°	2216.1	2215.5	2211.4	2208.4	2206.6
6°	2194.8	2190.6	2181.8	2174.1	2172.3
7°	2162.8	2154.0	2146.3	2130.3	2127.9
8°	2123.8	2109.6	2093.0	2070.5	2069.3
9°	2075.8	2052.8	2029.7	1999.5	1988.9
10°	2007.8	1986.5	1947.4	1920.8	1900.1
11°	1923.2	1896.5	1851.0	1819.0	1801.9
12°	1827.3	1802.5	1749.2	1720.2	1695.9
13°	1704.2	1683.5	1633.8	1601.9	1582.9
14°	1561.6	1546.2	1498.9	1484.7	1478.2
15°	1410.1	1399.5	1365.2	1359.2	1348.6
17.5°	1037.9	1020.2	1000.6	1004.2	1007.7
20°	636.1	661.0	658.0	671.0	681.1
22.5°	317.2	349.1	386.4	408.9	420.1
25°	145.6	160.4	207.1	216.0	216.0
27.5°	73.4	76.9	97.6	99.4	104.1
30°	40.8	43.8	46.7	52.1	52.7
32.5°	20.7	24.3	25.4	28.4	27.2
35°	8.9	11.8	14.2	15.4	13.0
37.5°	4.1	5.3	7.7	7.1	5.3
40°	1.8	2.4	3.6	3.0	2.4
42.5°	1.2	1.2	1.8	1.2	1.2
45°	0.6	0.6	0.6	0.6	0.6
47.5°	0.6	0.6	0.0	0.6	0.6
50°	0.6	0.0	0.0	0.0	0.6
52.5°	0.6	0.0	0.0	0.0	0.6
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)