

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: P1292983

Luminaire Tested: P3A09R35W2N902750DE010 E3PH1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1292983
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_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 5000K CCT AND, 90CRI ,
E3PH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

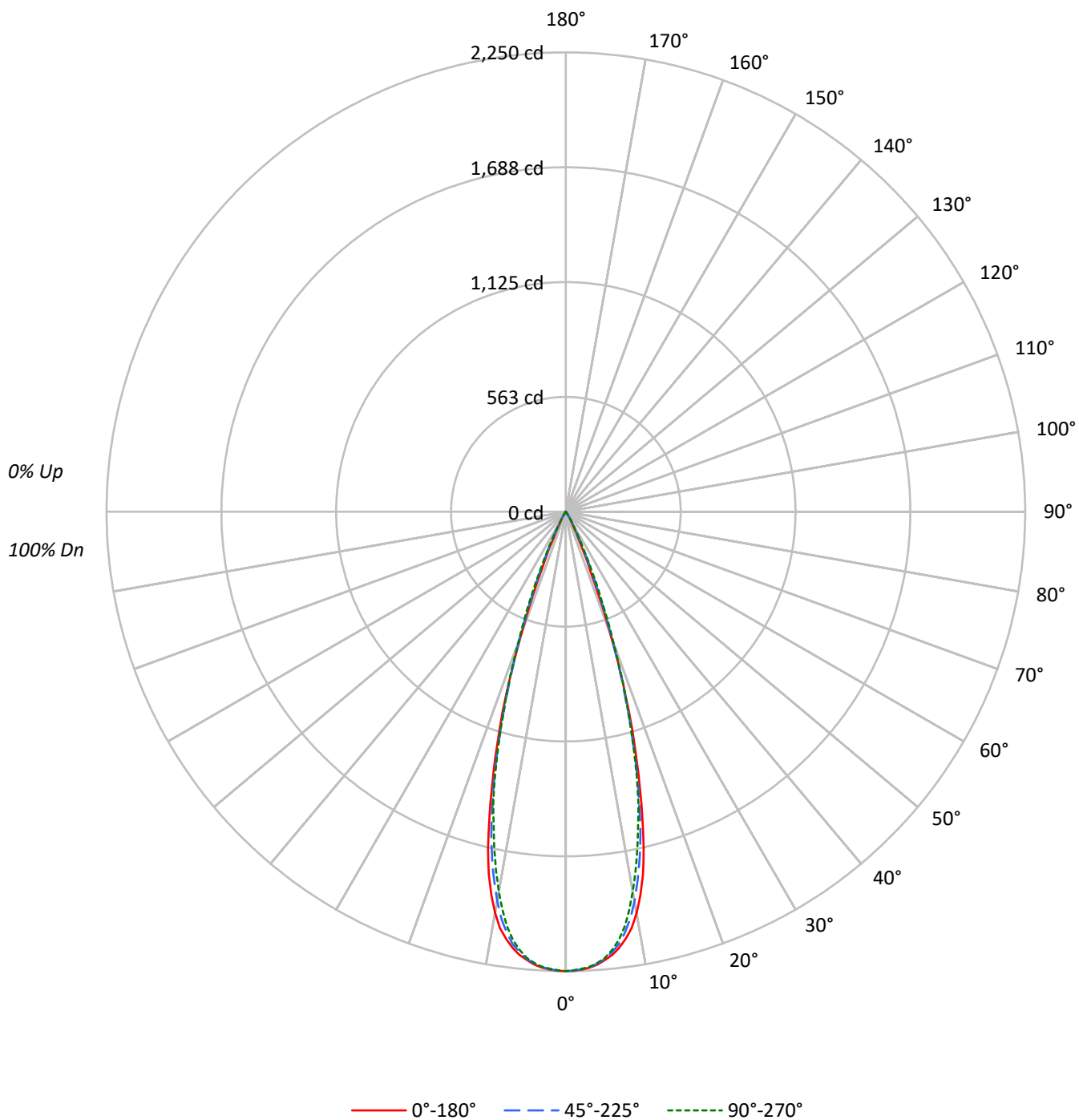
Lumens per Lamp: N/A
Luminaire Lumens: 683.0 lumens
Efficiency: N/A
Efficacy: 75.9 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	98
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93	92	91
3	108	103	100	97	106	102	99	96	99	97	94	97	95	93	95	93	92	90	89	87
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	93	90	89	87	85	83
5	101	95	91	88	100	95	91	88	93	90	87	92	89	87	90	88	86	85	82	80
6	98	92	88	85	97	91	88	85	90	87	84	89	86	84	88	85	83	82	79	77
7	96	89	85	82	94	89	85	82	87	84	81	86	83	81	85	83	81	78	76	75
8	93	86	82	79	92	86	82	79	85	81	79	84	81	79	83	80	78	77	75	73
9	90	84	80	77	89	83	79	77	82	79	76	82	79	76	81	78	76	75	73	71
10	88	81	77	75	87	81	77	74	80	77	74	80	76	74	79	76	74	73	71	69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	493425	493425	493425
5°	484965	483930	482896
10°	444458	431099	420611
15°	318254	308106	304360
20°	147573	152660	158004
25°	35010	49817	51947
30°	10280	11774	13268
35°	2356	3774	3453
40°	515	1002	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°	202.0	29.6
10°-20°	361.2	52.9
20°-30°	108.7	15.9
30°-40°	10.4	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°	671.8	98.4
0°-40°	682.2	99.9
0°-60°	683.0	100.0
0°-90°	683.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	683.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2250	2250	2250	2250	2250	
5°	2203	2203	2198	2196	2194	204
15°	1402	1391	1357	1351	1341	370
25°	145	159	206	215	215	93
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°	2250.2	2250.2	2250.2	2250.2	2250.2
1°	2249.1	2249.1	2247.9	2247.9	2245.5
2°	2243.8	2244.4	2242.0	2241.4	2239.7
3°	2235.5	2233.8	2233.8	2232.6	2231.4
4°	2222.6	2219.1	2217.9	2218.5	2216.1
5°	2203.2	2202.6	2198.5	2195.5	2193.8
6°	2182.0	2177.9	2169.1	2161.4	2159.7
7°	2150.2	2141.4	2133.8	2117.9	2115.5
8°	2111.4	2097.3	2080.8	2058.5	2057.3
9°	2063.8	2040.8	2017.9	1987.9	1977.3
10°	1996.1	1974.9	1936.1	1909.6	1889.0
11°	1912.0	1885.5	1840.2	1808.4	1791.4
12°	1816.7	1792.0	1739.0	1710.2	1686.1
13°	1694.3	1673.7	1624.3	1592.5	1573.7
14°	1552.5	1537.2	1490.2	1476.0	1469.6
15°	1401.9	1391.3	1357.2	1351.3	1340.7
17.5°	1031.9	1014.2	994.8	998.3	1001.9
20°	632.4	657.1	654.2	667.1	677.1
22.5°	315.3	347.1	384.2	406.5	417.7
25°	144.7	159.4	205.9	214.7	214.7
27.5°	72.9	76.5	97.1	98.8	103.5
30°	40.6	43.5	46.5	51.8	52.4
32.5°	20.6	24.1	25.3	28.2	27.1
35°	8.8	11.8	14.1	15.3	12.9
37.5°	4.1	5.3	7.6	7.1	5.3
40°	1.8	2.4	3.5	2.9	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)