

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: P1289089

Luminaire Tested: P3A05R35W2N902750DE010 E3D1MW_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1289089
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R35W2N902750DE010 E3D1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 2700K CCT AND, 90CRI ,
E3D1MW TRIM
Light Source: -
Ballast/Driver: -

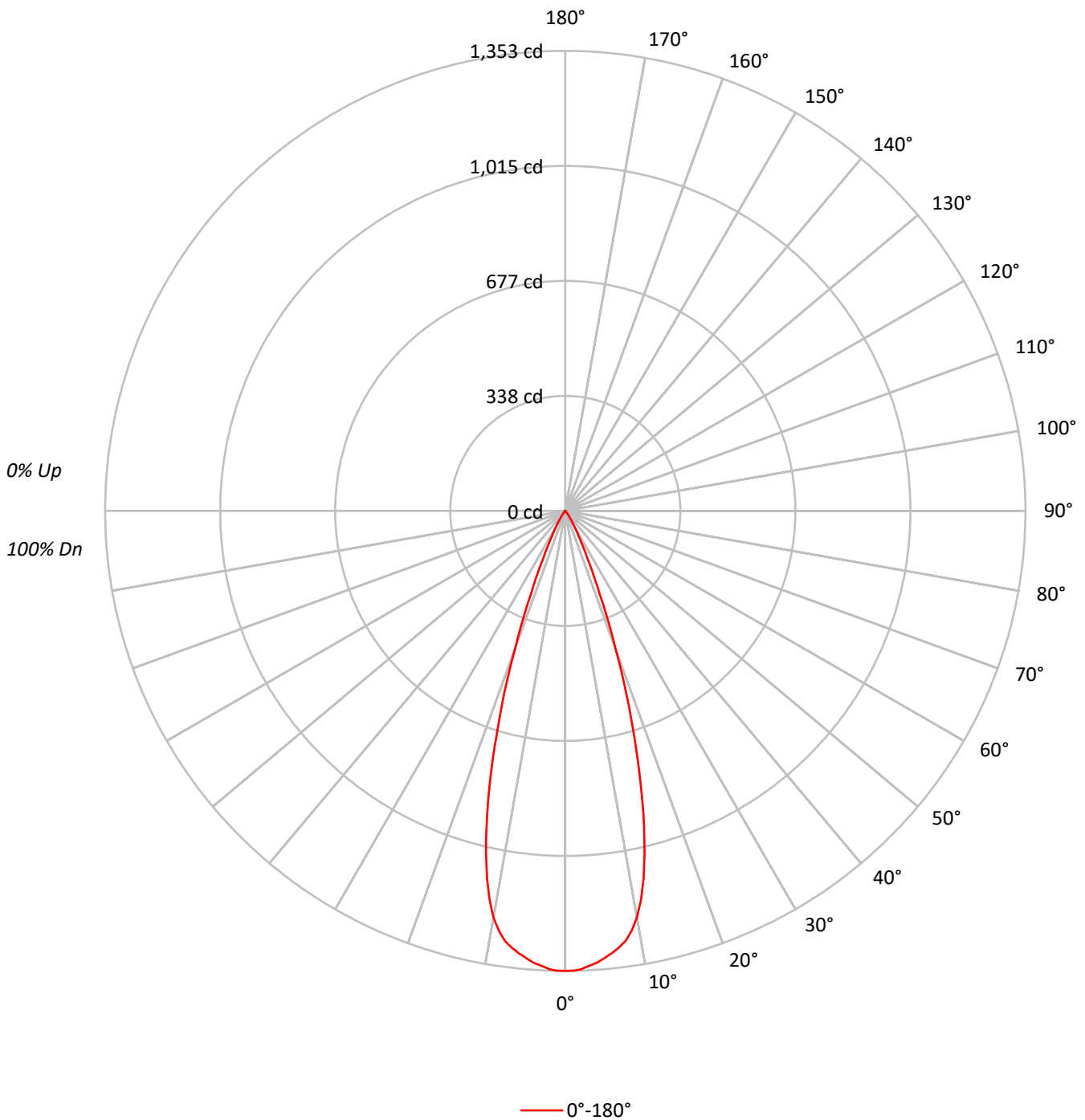
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 455.0 lumens
Efficiency: N/A
Efficacy: 77.1 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.52
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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: P1289089
CATALOG NUMBER: P3A05R35W2N902750DE010 E3D1MW_2700K

Luminous Intensity Polar Plot





TEST NUMBER: P1289089

CATALOG NUMBER: P3A05R35W2N902750DE010 E3D1MW_2700K

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	102	102	102	100
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	98	96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	94	94	94	93
3	107	102	98	95	105	101	97	95	98	96	93	96	94	92	94	92	90	94	92	90	89
4	104	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	91	89	87	86
5	100	94	90	87	99	93	89	86	92	88	86	90	87	85	89	86	84	89	86	84	83
6	97	91	86	83	96	90	86	83	89	85	82	87	84	82	86	83	81	86	83	81	80
7	94	87	83	80	93	87	83	80	86	82	79	85	81	79	84	81	79	84	81	79	77
8	91	84	80	77	90	84	80	77	83	79	77	82	79	76	81	78	76	81	78	76	75
9	89	82	77	74	88	81	77	74	80	77	74	80	76	74	79	76	74	79	76	74	73
10	86	79	75	72	85	79	75	72	78	74	72	77	74	72	77	74	71	77	74	71	70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	296687
5°	290644
10°	270380
15°	198230
20°	101509
25°	36583
30°	14255
35°	4979
40°	2061
45°	558
50°	478
55°	535
60°	482
65°	363
70°	449
75°	593
80°	505
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 82.5°
 Luminance: 672 cd/sqm



TEST NUMBER: P1289089

CATALOG NUMBER: P3A05R35W2N902750DE010 E3D1MW_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.1	27.1
10°-20°	231.0	50.8
20°-30°	81.8	18.0
30°-40°	14.3	3.1
40°-50°	2.1	0.5
50°-60°	1.2	0.3
60°-70°	0.8	0.2
70°-80°	0.6	0.1
80°-90°	0.2	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°	435.8	95.8
0°-40°	450.1	98.9
0°-60°	453.4	99.6
0°-90°	455.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	455.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1353	
5°	1320	123
15°	873	231
25°	151	82
35°	19	14
45°	2	2
55°	1	1
65°	1	1
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P1289089
CATALOG NUMBER: P3A05R35W2N902750DE010 E3D1MW_2700K

CANDELA DISTRIBUTION (FULL):

0°	
0°	1353.0
1°	1352.7
2°	1348.4
3°	1340.1
4°	1332.6
5°	1320.4
6°	1307.9
7°	1293.9
8°	1276.7
9°	1249.8
10°	1214.3
11°	1165.3
12°	1106.1
13°	1035.9
14°	958.5
15°	873.2
17.5°	650.4
20°	435.0
22.5°	262.3
25°	151.2
27.5°	90.3
30°	56.3
32.5°	32.6
35°	18.6
37.5°	11.8
40°	7.2
42.5°	3.6
45°	1.8
47.5°	1.4
50°	1.4
52.5°	1.4
55°	1.4
57.5°	1.1
60°	1.1
62.5°	1.1
65°	0.7
67.5°	0.7
70°	0.7
72.5°	0.7
75°	0.7
77.5°	0.4
80°	0.4
82.5°	0.4
85°	0.0
87.5°	0.0



TEST NUMBER: P1289089
CATALOG NUMBER: P3A05R35W2N902750DE010 E3D1MW_2700K

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)