

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: P1289392

Luminaire Tested: P3A05R40W2N902750DE010 E3CD1MW_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1289392
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R40W2N902750DE010 E3CD1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 2700K CCT AND, 90CRI ,
E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

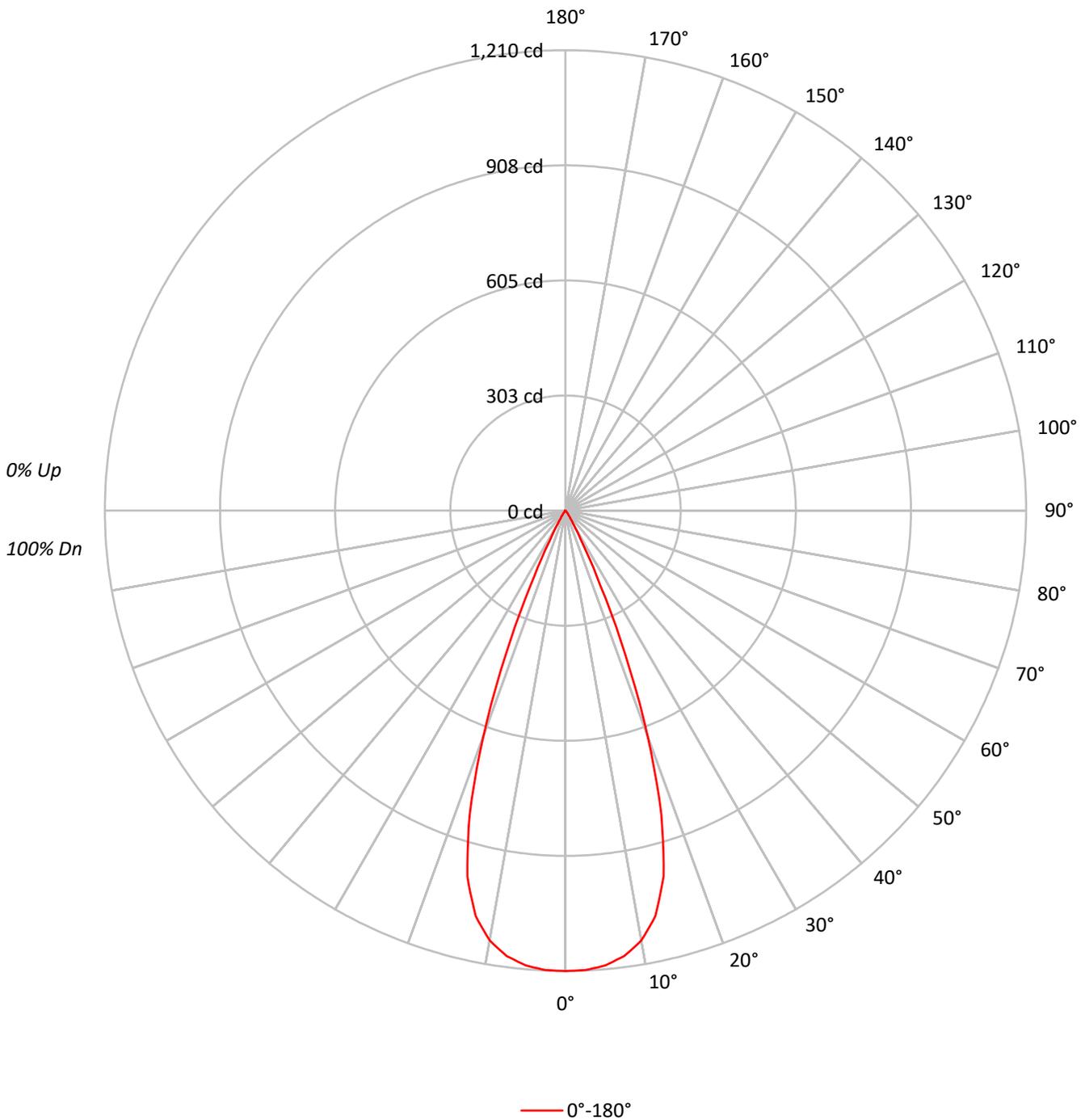
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 504.1 lumens
Efficiency: N/A
Efficacy: 85.4 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.59
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: P1289392
CATALOG NUMBER: P3A05R40W2N902750DE010 E3CD1MW_2700K

Luminous Intensity Polar Plot





TEST NUMBER: P1289392

CATALOG NUMBER: P3A05R40W2N902750DE010 E3CD1MW_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	100	100	100	100
1	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96	96	96	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	92	92	92	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	94	92	90	89	89	89	89
4	103	97	93	90	101	96	92	89	94	91	88	92	90	87	91	88	86	85	85	85	85
5	100	93	89	86	98	92	88	85	91	87	85	89	86	84	88	85	83	82	82	82	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	79	79	79	79
7	93	86	82	79	92	86	81	78	84	81	78	83	80	78	82	79	77	76	76	76	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	73	73	73	73
9	87	80	76	73	87	80	76	73	79	75	72	78	75	72	77	74	72	71	71	71	71
10	85	77	73	70	84	77	73	70	76	73	70	76	72	70	75	72	70	69	69	69	69

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	265373
5°	264098
10°	255484
15°	226040
20°	147479
25°	52237
30°	11090
35°	3641
40°	1345
45°	434
50°	375
55°	421
60°	307
65°	363
70°	256
75°	339
80°	505
85°	0

MAXIMUM LUMINANCE 45°-90°:

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



TEST NUMBER: P1289392

CATALOG NUMBER: P3A05R40W2N902750DE010 E3CD1MW_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.9	22.4
10°-20°	262.9	52.2
20°-30°	114.1	22.6
30°-40°	10.5	2.1
40°-50°	1.5	0.3
50°-60°	0.9	0.2
60°-70°	0.7	0.1
70°-80°	0.4	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°	489.9	97.2
0°-40°	500.4	99.3
0°-60°	502.8	99.8
0°-90°	504.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	504.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1210	
5°	1200	113
15°	996	263
25°	216	114
35°	14	11
45°	1	1
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P1289392
CATALOG NUMBER: P3A05R40W2N902750DE010 E3CD1MW_2700K

CANDELA DISTRIBUTION (FULL):

0°	
0°	1210.2
2.5°	1208.7
5°	1199.8
7.5°	1180.8
10°	1147.4
12.5°	1091.1
15°	995.7
17.5°	837.5
20°	632.0
22.5°	410.3
25°	215.9
27.5°	92.9
30°	43.8
32.5°	23.7
35°	13.6
37.5°	8.2
40°	4.7
42.5°	2.5
45°	1.4
47.5°	1.1
50°	1.1
52.5°	1.1
55°	1.1
57.5°	1.1
60°	0.7
62.5°	0.7
65°	0.7
67.5°	0.7
70°	0.4
72.5°	0.4
75°	0.4
77.5°	0.4
80°	0.4
82.5°	0.4
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)