

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: P1293443

Luminaire Tested: P3A09R40W2N902765DE010 E3DLD1WMH_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1293443
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-22)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R40W2N902765DE010 E3DLD1WMH_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 5000K CCT AND, 90CRI ,
E3DLD1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

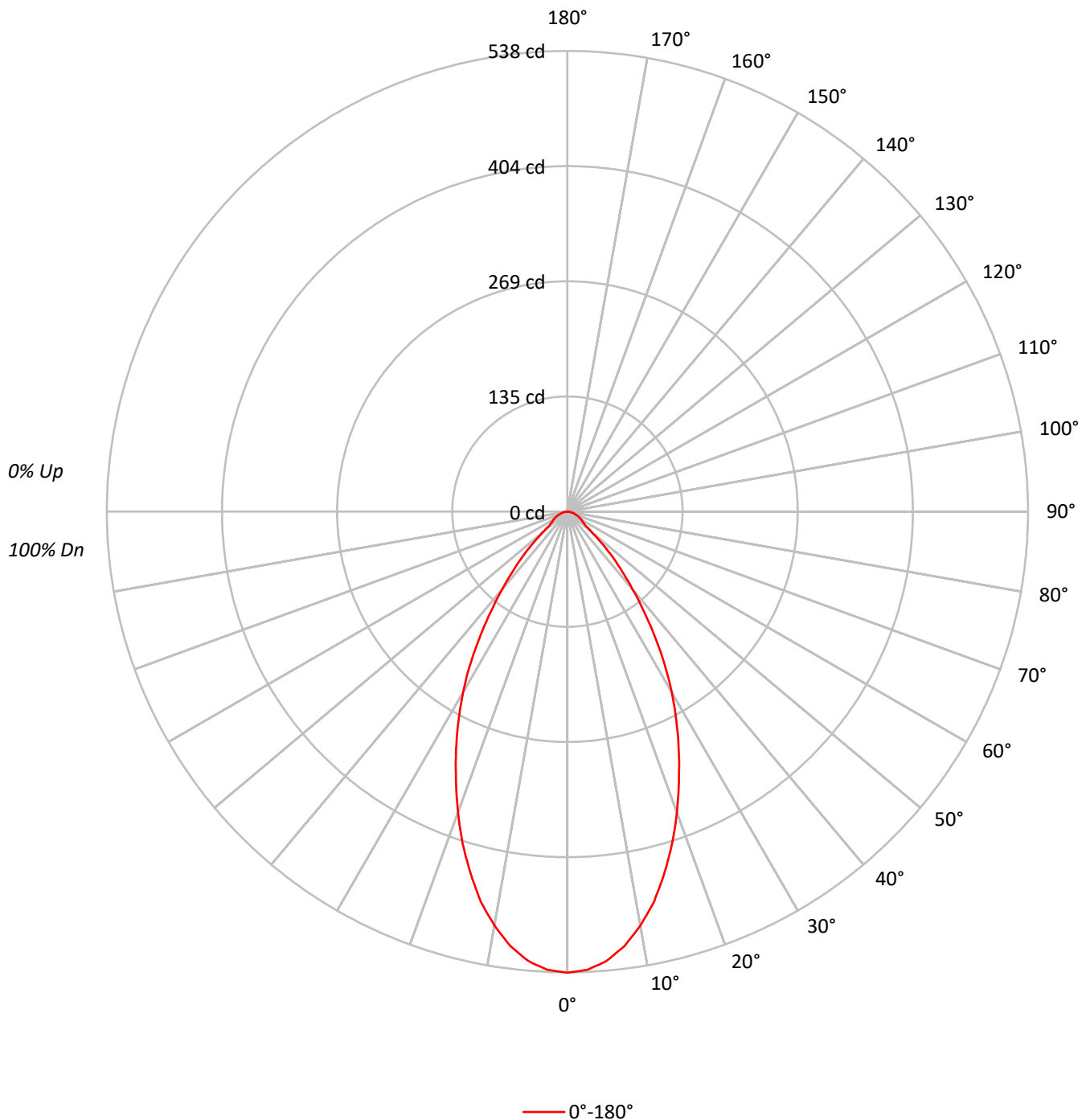
Lumens per Lamp: N/A
Luminaire Lumens: 526.0 lumens
Efficiency: N/A
Efficacy: 58.4 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1293443

CATALOG NUMBER: P3A09R40W2N902765DE010 E3DLD1WMH_5000K

Luminous Intensity Polar Plot



TEST NUMBER: P1293443

CATALOG NUMBER: P3A09R40W2N902765DE010 E3DLD1WMH_5000K

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	109	106	104	110	107	104	102	103	101	99		99	98	96		96
2	106	100	96	92	104	98	94	91	95	92	89		92	89	87		89
3	100	92	87	82	98	91	86	81	88	84	80		86	82	79		83
4	94	85	79	74	92	84	78	74	82	77	73		80	75	72		78
5	89	79	73	68	87	78	72	67	76	71	67		75	70	66		73
6	84	74	67	62	82	73	67	62	71	66	61		70	65	61		68
7	79	69	62	57	78	68	62	57	67	61	57		65	60	57		64
8	75	64	58	53	74	64	57	53	63	57	53		62	56	53		61
9	71	60	54	50	70	60	54	50	59	53	49		58	53	49		57
10	67	57	51	46	66	56	50	46	56	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	118083
5°	115936
10°	109283
15°	99251
20°	87204
25°	74472
30°	61680
35°	47569
40°	33863
45°	22824
50°	12452
55°	8793
60°	8245
65°	7627
70°	6796
75°	6524
80°	5177
85°	4529

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 22824 cd/sqm

TEST NUMBER: P1293443

CATALOG NUMBER: P3A09R40W2N902765DE010 E3DLD1WMH_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.1	9.3
10°-20°	121.8	23.2
20°-30°	140.8	26.8
30°-40°	111.0	21.1
40°-50°	57.0	10.8
50°-60°	21.8	4.1
60°-70°	14.4	2.7
70°-80°	7.8	1.5
80°-90°	2.3	0.4
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°	311.7	59.3
0°-40°	422.7	80.4
0°-60°	501.5	95.3
0°-90°	526.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	526.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	538	
5°	527	49
15°	437	122
25°	308	141
35°	178	111
45°	74	57
55°	23	22
65°	15	14
75°	8	8
85°	2	2
90°	0	

TEST NUMBER: P1293443

CATALOG NUMBER: P3A09R40W2N902765DE010 E3DLD1WMH_5000K

CANDELA DISTRIBUTION (FULL):

	0°
0°	538.5
2.5°	535.5
5°	526.7
7.5°	511.4
10°	490.8
12.5°	466.7
15°	437.2
17.5°	406.6
20°	373.7
22.5°	340.1
25°	307.8
27.5°	275.4
30°	243.6
32.5°	211.3
35°	177.7
37.5°	146.5
40°	118.3
42.5°	94.2
45°	73.6
47.5°	53.6
50°	36.5
52.5°	26.5
55°	23.0
57.5°	20.6
60°	18.8
62.5°	16.5
65°	14.7
67.5°	12.4
70°	10.6
72.5°	8.8
75°	7.7
77.5°	5.9
80°	4.1
82.5°	3.5
85°	1.8
87.5°	1.2
90°	0.0

(END OF REPORT)