

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: P1268293

Luminaire Tested: P3A20R509735D010 E3DLP1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1268293
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-29)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R509735D010 E3DLP1WMH
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 97CRI , E3DLP1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

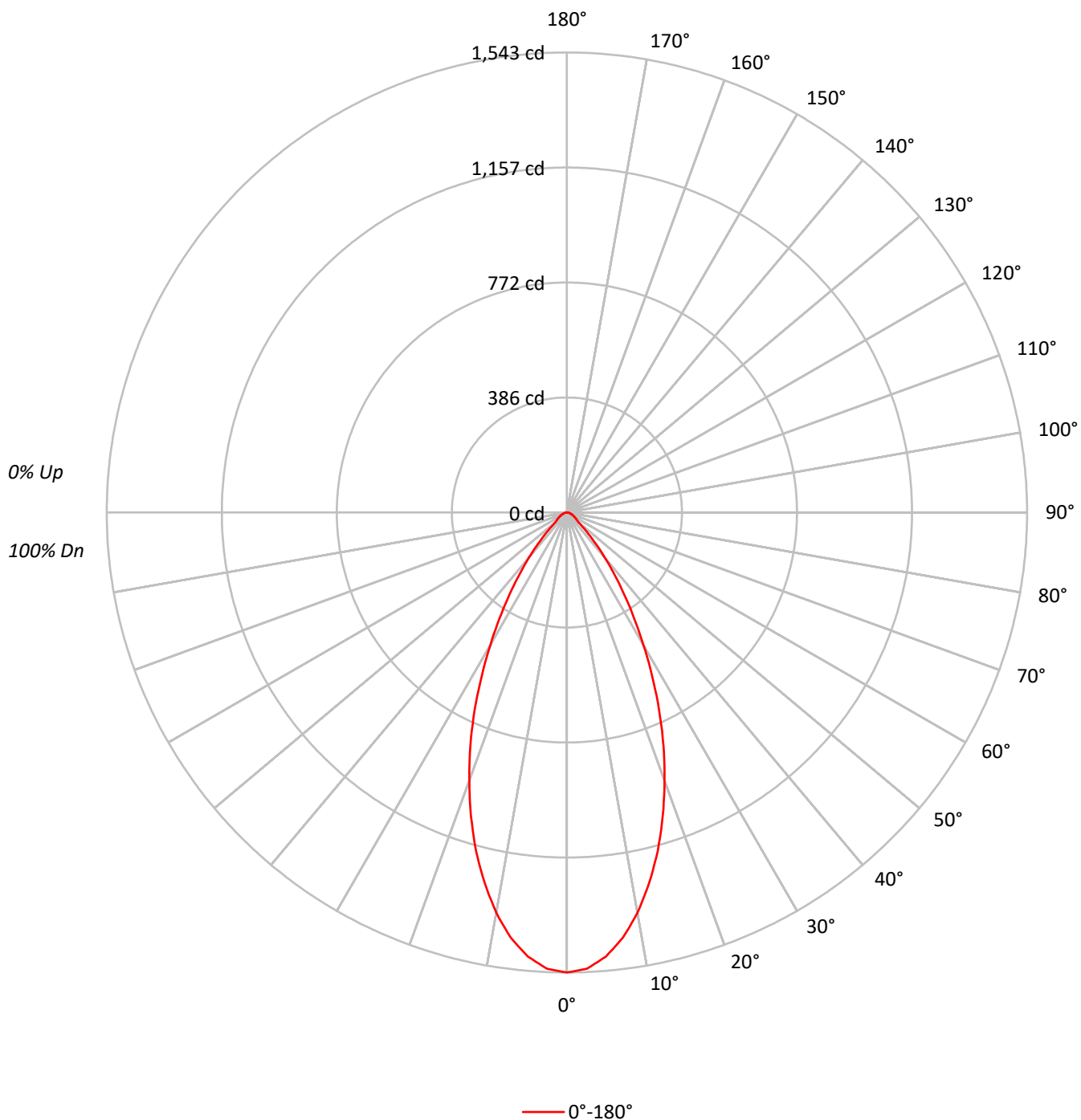
Lumens per Lamp: N/A
Luminaire Lumens: 1163.0 lumens
Efficiency: N/A
Efficacy: 40.4 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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: P1268293

CATALOG NUMBER: P3A20R509735D010 E3DLP1WMH

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	107	105	111	108	106	103	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	95	89	85	99	93	88	85	91	87	83		88	85	82		86
4	96	88	82	78	94	87	82	78	85	80	77		83	79	76		81
5	91	83	76	72	90	82	76	72	80	75	71		78	74	70		77
6	87	77	71	67	85	77	71	67	75	70	66		74	69	66		72
7	82	73	67	62	81	72	66	62	71	66	62		70	65	61		68
8	78	69	63	58	77	68	62	58	67	62	58		66	61	58		65
9	75	65	59	55	74	64	59	55	63	58	55		63	58	54		62
10	71	61	56	52	70	61	55	52	60	55	51		59	55	51		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	338262
5°	329143
10°	303513
15°	266925
20°	223319
25°	177083
30°	129919
35°	89329
40°	56763
45°	31724
50°	17193
55°	14451
60°	12411
65°	11415
70°	10066
75°	9320
80°	7956
85°	7799

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 31724 cd/sqm

TEST NUMBER: P1268293

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.5	11.9
10°-20°	325.6	28.0
20°-30°	333.1	28.6
30°-40°	211.2	18.2
40°-50°	84.1	7.2
50°-60°	34.1	2.9
60°-70°	21.8	1.9
70°-80°	11.2	1.0
80°-90°	3.4	0.3
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°	797.3	68.6
0°-40°	1008.5	86.7
0°-60°	1126.6	96.9
0°-90°	1163.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1163.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1543	
5°	1495	139
15°	1176	326
25°	732	333
35°	334	211
45°	102	84
55°	38	34
65°	22	22
75°	11	11
85°	3	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	1542.6
2.5°	1531.5
5°	1495.3
7.5°	1438.7
10°	1363.1
12.5°	1273.4
15°	1175.8
17.5°	1068.8
20°	957.0
22.5°	845.3
25°	731.9
27.5°	618.6
30°	513.1
32.5°	418.7
35°	333.7
37.5°	261.3
40°	198.3
42.5°	146.4
45°	102.3
47.5°	69.3
50°	50.4
52.5°	42.5
55°	37.8
57.5°	33.1
60°	28.3
62.5°	25.2
65°	22.0
67.5°	18.9
70°	15.7
72.5°	12.6
75°	11.0
77.5°	7.9
80°	6.3
82.5°	4.7
85°	3.1
87.5°	1.6
90°	0.0

(END OF REPORT)