

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: P1274837

Luminaire Tested: P3AS20R509830D010 E3DLP1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1274837
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: P3AS20R509830D010 E3DLP1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 98CRI , E3DLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

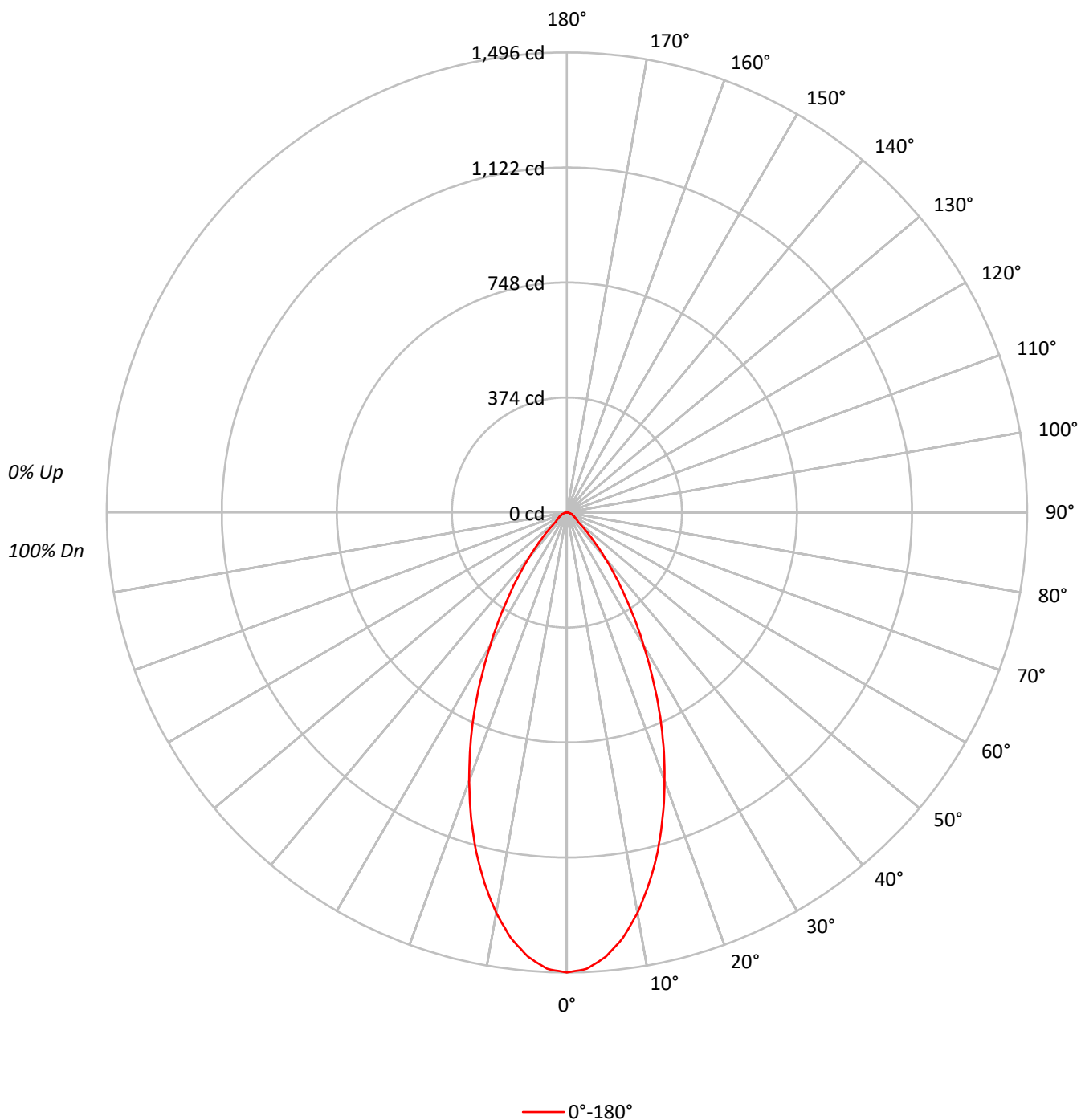
Lumens per Lamp: N/A
Luminaire Lumens: 1128.0 lumens
Efficiency: N/A
Efficacy: 41.2 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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: P1274837

CATALOG NUMBER: P3AS20R509830D010 E3DLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1274837

CATALOG NUMBER: P3AS20R509830D010 E3DLP1MW

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°	328066
5°	319238
10°	294383
15°	258889
20°	216599
25°	171760
30°	126019
35°	86652
40°	55075
45°	30763
50°	16682
55°	13992
60°	12060
65°	11104
70°	9809
75°	9065
80°	7703
85°	7799

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 30763 cd/sqm

TEST NUMBER: P1274837

CATALOG NUMBER: P3AS20R509830D010 E3DLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.4	11.9
10°-20°	315.8	28.0
20°-30°	323.1	28.6
30°-40°	204.9	18.2
40°-50°	81.5	7.2
50°-60°	33.0	2.9
60°-70°	21.1	1.9
70°-80°	10.9	1.0
80°-90°	3.3	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°	773.3	68.6
0°-40°	978.1	86.7
0°-60°	1092.7	96.9
0°-90°	1128.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1128.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1496	
5°	1450	134
15°	1140	316
25°	710	323
35°	324	205
45°	99	82
55°	37	33
65°	21	21
75°	11	11
85°	3	3
90°	0	

TEST NUMBER: P1274837

CATALOG NUMBER: P3AS20R509830D010 E3DLP1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1496.1
2.5°	1485.5
5°	1450.3
7.5°	1395.4
10°	1322.1
12.5°	1235.1
15°	1140.4
17.5°	1036.6
20°	928.2
22.5°	819.8
25°	709.9
27.5°	600.0
30°	497.7
32.5°	406.1
35°	323.7
37.5°	253.4
40°	192.4
42.5°	142.0
45°	99.2
47.5°	67.2
50°	48.9
52.5°	41.2
55°	36.6
57.5°	32.1
60°	27.5
62.5°	24.4
65°	21.4
67.5°	18.3
70°	15.3
72.5°	12.2
75°	10.7
77.5°	7.6
80°	6.1
82.5°	4.6
85°	3.1
87.5°	1.5
90°	0.0

(END OF REPORT)