

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: P1258018

Luminaire Tested: P3AS20R159040D010 E3DLP1H

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1258018
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R159040D010 E3DLP1H
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , E3DLP1H TRIM
Light Source: -
Ballast/Driver: -

Summary

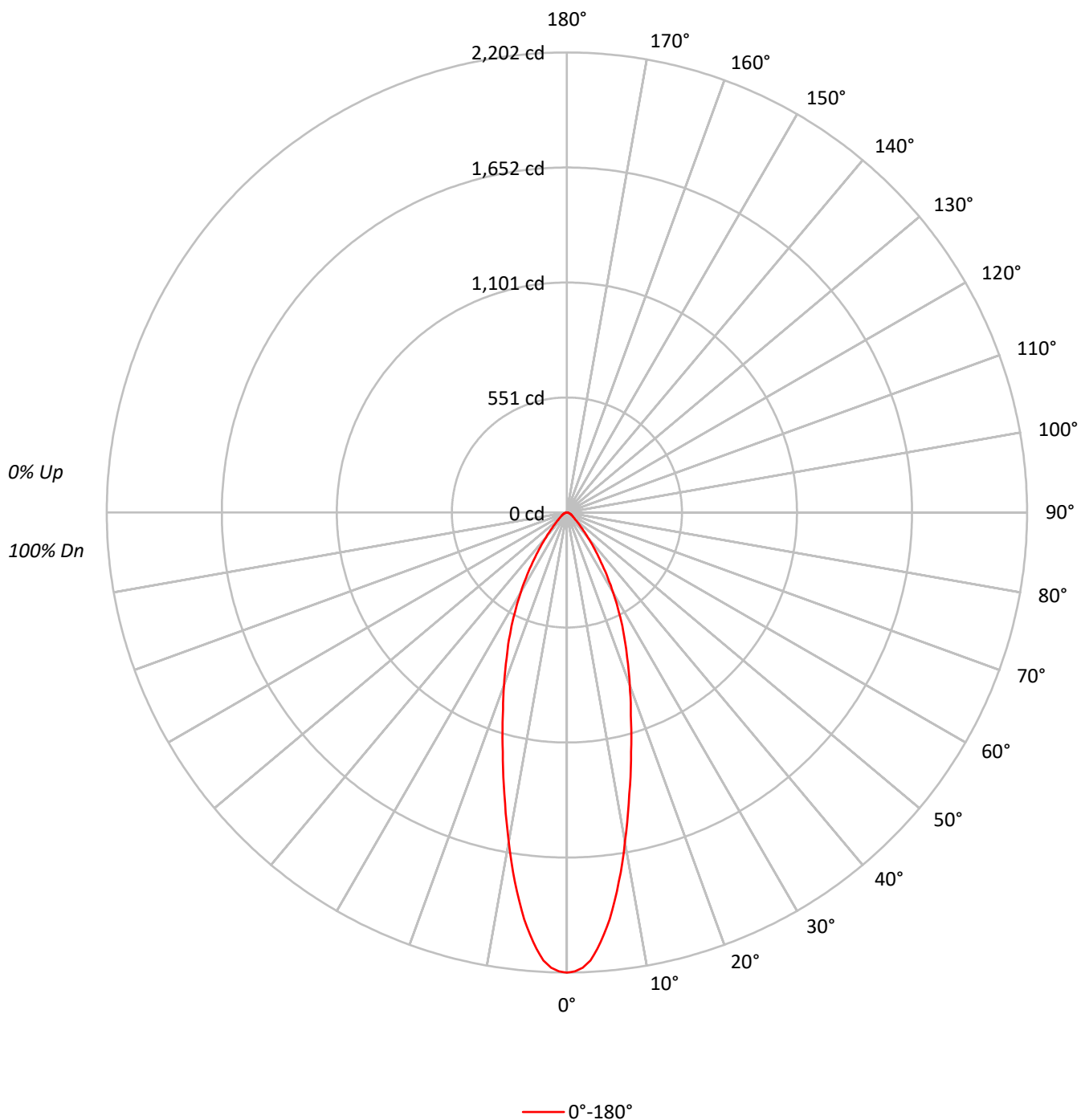
Lumens per Lamp: N/A
Luminaire Lumens: 1120.0 lumens
Efficiency: N/A
Efficacy: 38.9 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.61
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1258018

CATALOG NUMBER: P3AS20R159040D010 E3DLP1H

Luminous Intensity Polar Plot



TEST NUMBER: P1258018

CATALOG NUMBER: P3AS20R159040D010 E3DLP1H

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	108	106	111	108	106	104	104	102	101		100	99	98		97
2	108	103	98	95	105	101	97	94	98	95	92		95	92	90		92
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87
4	97	90	84	80	95	88	83	79	86	82	78		84	81	78		82
5	93	84	78	74	91	83	78	74	81	77	73		80	76	72		78
6	88	79	73	69	87	79	73	69	77	72	69		76	71	68		74
7	84	75	69	65	83	74	69	65	73	68	64		72	67	64		71
8	80	71	65	61	79	71	65	61	69	64	61		68	64	61		67
9	77	68	62	58	76	67	62	58	66	61	58		65	61	57		64
10	74	64	59	55	73	64	59	55	63	58	55		62	58	55		62

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	482966
5°	446378
10°	356373
15°	269196
20°	205001
25°	156227
30°	111916
35°	73026
40°	44770
45°	27073
50°	17978
55°	13916
60°	11973
65°	10377
70°	9361
75°	9235
80°	6945
85°	4529

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 27073 cd/sqm

TEST NUMBER: P1258018

CATALOG NUMBER: P3AS20R159040D010 E3DLP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.6	16.0
10°-20°	331.4	29.6
20°-30°	295.1	26.3
30°-40°	174.6	15.6
40°-50°	71.6	6.4
50°-60°	33.6	3.0
60°-70°	20.5	1.8
70°-80°	10.8	1.0
80°-90°	2.7	0.2
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°	806.2	72.0
0°-40°	980.8	87.6
0°-60°	1086.1	97.0
0°-90°	1120.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1120.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2202	
5°	2028	180
15°	1186	331
25°	646	295
35°	273	175
45°	87	72
55°	36	34
65°	20	20
75°	11	11
85°	2	3
90°	0	

TEST NUMBER: P1258018

CATALOG NUMBER: P3AS20R159040D010 E3DLP1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	2202.5
1°	2197.1
2°	2180.7
3°	2148.0
4°	2093.4
5°	2027.9
6°	1957.0
7°	1873.3
8°	1786.0
9°	1696.9
10°	1600.5
12.5°	1380.4
15°	1185.8
17.5°	1018.5
20°	878.5
22.5°	754.8
25°	645.7
27.5°	540.2
30°	442.0
32.5°	352.8
35°	272.8
37.5°	209.2
40°	156.4
42.5°	116.4
45°	87.3
47.5°	67.3
50°	52.7
52.5°	43.7
55°	36.4
57.5°	30.9
60°	27.3
62.5°	23.6
65°	20.0
67.5°	18.2
70°	14.6
72.5°	12.7
75°	10.9
77.5°	7.3
80°	5.5
82.5°	3.6
85°	1.8
87.5°	1.8
90°	0.0

(END OF REPORT)