

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: P1270630

Luminaire Tested: P3A20R459740D010 E3DL1WH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270630
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R459740D010 E3DL1WH
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 97CRI , E3DL1WH TRIM
Light Source: -
Ballast/Driver: -

Summary

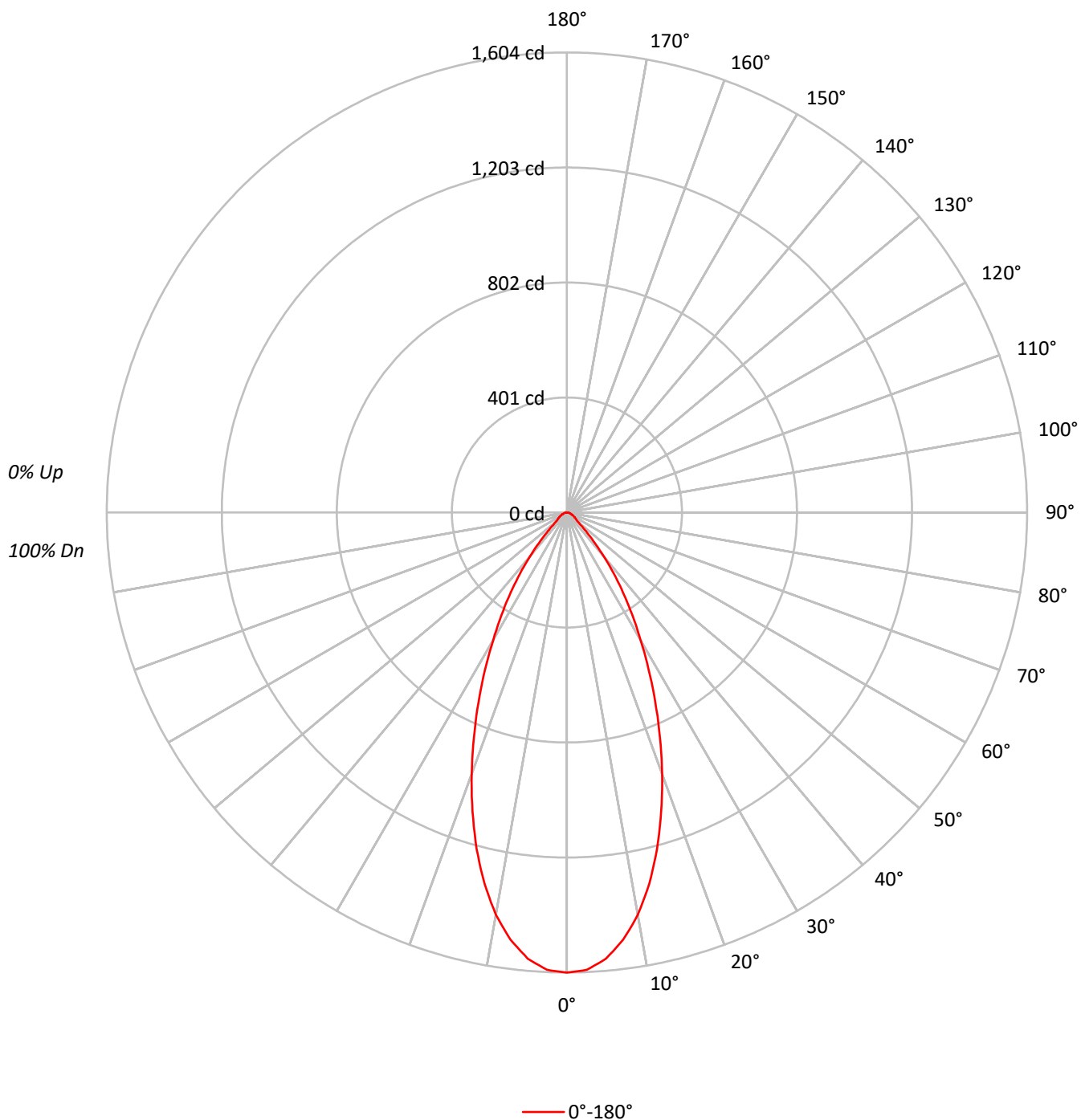
Lumens per Lamp: N/A
Luminaire Lumens: 1181.0 lumens
Efficiency: N/A
Efficacy: 41.0 lumens/watt
Spacing Criteria (0/90/45): 0.73 / 0.73 / 0.76
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1270630

CATALOG NUMBER: P3A20R459740D010 E3DL1WH

Luminous Intensity Polar Plot



TEST NUMBER: P1270630

CATALOG NUMBER: P3A20R459740D010 E3DL1WH

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	102	95	90	85	100	93	89	85	91	87	83		88	85	82		86
4	96	88	83	78	94	87	82	78	85	81	77		83	79	76		81
5	91	83	77	72	90	82	76	72	80	75	71		78	74	71		77
6	87	78	72	67	85	77	71	67	75	70	66		74	69	66		73
7	83	73	67	63	81	72	67	63	71	66	62		70	65	62		69
8	79	69	63	59	77	68	63	59	67	62	58		66	62	58		65
9	75	65	59	55	74	65	59	55	64	59	55		63	58	55		62
10	72	62	56	52	71	61	56	52	61	55	52		60	55	52		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	351770
5°	343759
10°	317117
15°	275734
20°	226516
25°	176236
30°	130147
35°	91578
40°	57164
45°	30980
50°	16750
55°	14375
60°	12938
65°	11052
70°	9425
75°	9743
80°	8208
85°	8303

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 30980 cd/sqm

TEST NUMBER: P1270630

CATALOG NUMBER: P3A20R459740D010 E3DL1WH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.6	12.2
10°-20°	335.8	28.4
20°-30°	333.3	28.2
30°-40°	214.7	18.2
40°-50°	82.7	7.0
50°-60°	33.6	2.8
60°-70°	21.3	1.8
70°-80°	11.4	1.0
80°-90°	3.6	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°	813.7	68.9
0°-40°	1028.4	87.1
0°-60°	1144.7	96.9
0°-90°	1181.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1181.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1604	
5°	1562	145
15°	1215	336
25°	728	333
35°	342	215
45°	100	83
55°	38	34
65°	21	21
75°	12	11
85°	3	4
90°	0	

TEST NUMBER: P1270630

CATALOG NUMBER: P3A20R459740D010 E3DL1WH

CANDELA DISTRIBUTION (FULL):

0°	
0°	1604.2
2.5°	1596.0
5°	1561.7
7.5°	1502.7
10°	1424.2
12.5°	1325.9
15°	1214.6
17.5°	1093.5
20°	970.7
22.5°	846.3
25°	728.4
27.5°	617.1
30°	514.0
32.5°	424.0
35°	342.1
37.5°	268.5
40°	199.7
42.5°	144.1
45°	99.9
47.5°	67.1
50°	49.1
52.5°	40.9
55°	37.6
57.5°	32.7
60°	29.5
62.5°	24.6
65°	21.3
67.5°	18.0
70°	14.7
72.5°	13.1
75°	11.5
77.5°	8.2
80°	6.5
82.5°	4.9
85°	3.3
87.5°	1.6
90°	0.0

(END OF REPORT)