

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: P1274940

Luminaire Tested: P3AS20R709830D010 E3DL1LI

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1274940
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-47)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R709830D010 E3DL1LI
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , E3DL1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

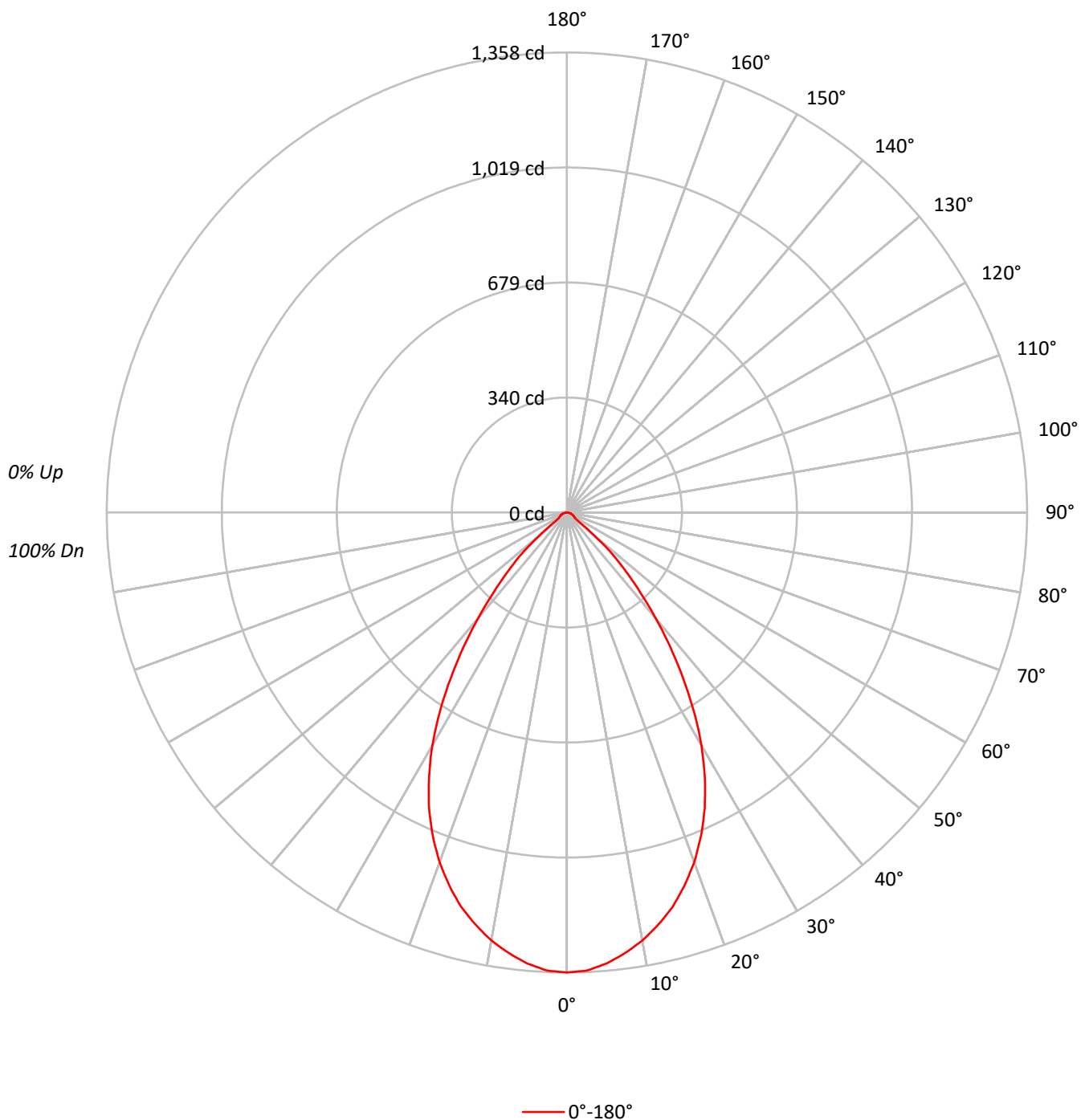
Lumens per Lamp: N/A
Luminaire Lumens: 1538.0 lumens
Efficiency: N/A
Efficacy: 56.1 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.98
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1274940

CATALOG NUMBER: P3AS20R709830D010 E3DL1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1274940

CATALOG NUMBER: P3AS20R709830D010 E3DL1LI

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	110	107	104	110	107	105	103	103	101	100	100	98	97	96	95	94	92		
2	106	101	96	93	104	99	95	92	96	92	90	93	90	88	90	88	86	84		
3	100	93	88	83	98	92	87	82	89	85	81	86	83	80	84	81	79	77		
4	94	86	80	75	93	85	79	75	83	78	74	81	76	73	79	75	72	70		
5	89	80	73	69	87	79	73	68	77	72	68	75	71	67	74	70	66	65		
6	84	74	68	63	82	73	67	63	72	66	62	70	65	62	69	65	61	60		
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55		
8	75	65	58	53	74	64	58	53	63	57	53	62	57	53	61	56	53	51		
9	71	60	54	50	70	60	54	50	59	53	49	58	53	49	57	52	49	48		
10	67	57	50	46	66	56	50	46	55	50	46	55	49	46	54	49	46	44		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	297739
5°	294166
10°	285677
15°	273577
20°	256269
25°	232804
30°	201094
35°	160267
40°	116733
45°	76721
50°	35956
55°	11087
60°	10701
65°	10325
70°	9809
75°	10336
80°	9597
85°	7799

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 76721 cd/sqm

TEST NUMBER: P1274940

CATALOG NUMBER: P3AS20R709830D010 E3DL1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.8	8.2
10°-20°	337.3	21.9
20°-30°	438.3	28.5
30°-40°	371.9	24.2
40°-50°	191.8	12.5
50°-60°	37.0	2.4
60°-70°	20.0	1.3
70°-80°	12.3	0.8
80°-90°	3.5	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°	901.5	58.6
0°-40°	1273.4	82.8
0°-60°	1502.1	97.7
0°-90°	1538.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1538.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1358	
5°	1336	126
15°	1205	337
25°	962	438
35°	599	372
45°	247	192
55°	29	37
65°	20	20
75°	12	12
85°	3	4
90°	0	

TEST NUMBER: P1274940

CATALOG NUMBER: P3AS20R709830D010 E3DL1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	1357.8
2.5°	1353.2
5°	1336.4
7.5°	1312.0
10°	1283.0
12.5°	1246.3
15°	1205.1
17.5°	1154.7
20°	1098.2
22.5°	1034.0
25°	962.2
27.5°	881.3
30°	794.2
32.5°	698.0
35°	598.7
37.5°	501.0
40°	407.8
42.5°	320.7
45°	247.4
47.5°	181.8
50°	105.4
52.5°	45.8
55°	29.0
57.5°	27.5
60°	24.4
62.5°	22.9
65°	19.9
67.5°	18.3
70°	15.3
72.5°	13.7
75°	12.2
77.5°	9.2
80°	7.6
82.5°	4.6
85°	3.1
87.5°	1.5
90°	0.0

(END OF REPORT)