

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: P1250025

Luminaire Tested: P3AS20R409027D010 E3CB1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1250025
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R409027D010 E3CB1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 90CRI , E3CB1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

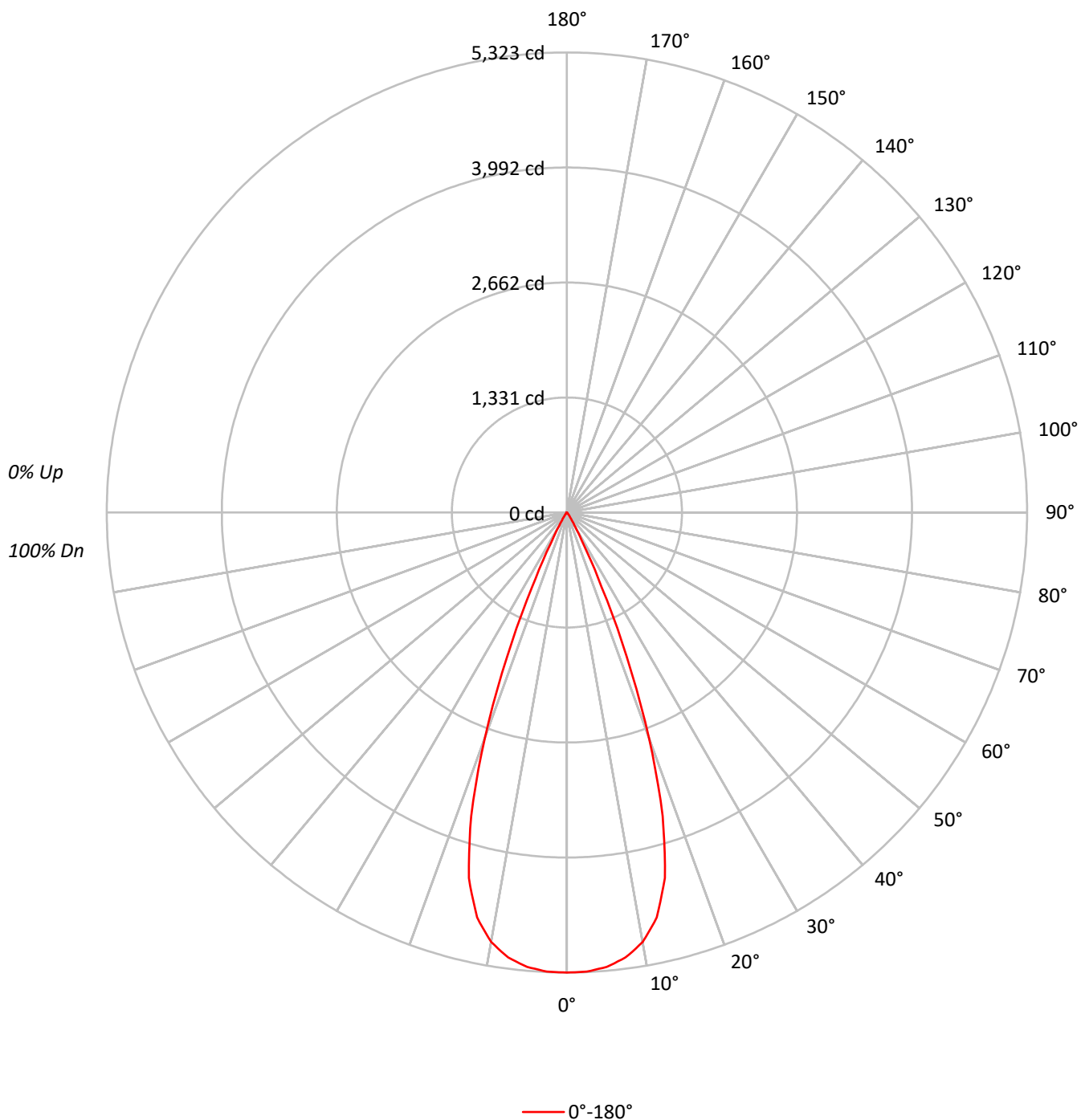
Lumens per Lamp: N/A
Luminaire Lumens: 2217.0 lumens
Efficiency: N/A
Efficacy: 77.0 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.59
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1250025

CATALOG NUMBER: P3AS20R409027D010 E3CB1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1250025

CATALOG NUMBER: P3AS20R409027D010 E3CB1MW

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	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96		
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	92		
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	94	92	90	89		
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	86	85		
5	100	93	89	86	98	92	88	85	91	87	85	89	86	84	88	85	83	82		
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	79		
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	79	77	76		
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	73		
9	87	80	76	73	87	80	76	73	79	75	72	78	75	72	77	74	72	71		
10	85	77	73	70	84	77	73	70	76	73	70	76	72	70	75	72	70	69		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1167297
5°	1161696
10°	1123827
15°	994285
20°	648723
25°	229804
30°	48742
35°	16062
40°	5868
45°	1954
50°	1603
55°	1797
60°	1403
65°	1660
70°	1026
75°	1356
80°	2020
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 2688 cd/sqm

TEST NUMBER: P1250025

CATALOG NUMBER: P3AS20R409027D010 E3CB1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	496.6	22.4
10°-20°	1156.4	52.2
20°-30°	501.8	22.6
30°-40°	46.3	2.1
40°-50°	6.5	0.3
50°-60°	4.0	0.2
60°-70°	3.0	0.1
70°-80°	1.7	0.1
80°-90°	0.7	0.0
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°	2154.9	97.2
0°-40°	2201.1	99.3
0°-60°	2211.7	99.8
0°-90°	2217.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2217.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5323	
5°	5278	497
15°	4380	1156
25°	950	502
35°	60	46
45°	6	7
55°	5	4
65°	3	3
75°	2	2
85°	0	1
90°	0	

TEST NUMBER: P1250025

CATALOG NUMBER: P3AS20R409027D010 E3CB1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	5323.3
2.5°	5317.0
5°	5277.6
7.5°	5194.0
10°	5047.2
12.5°	4799.5
15°	4379.8
17.5°	3684.1
20°	2780.0
22.5°	1805.0
25°	949.8
27.5°	408.6
30°	192.5
32.5°	104.1
35°	60.0
37.5°	36.3
40°	20.5
42.5°	11.0
45°	6.3
47.5°	4.7
50°	4.7
52.5°	4.7
55°	4.7
57.5°	4.7
60°	3.2
62.5°	3.2
65°	3.2
67.5°	3.2
70°	1.6
72.5°	1.6
75°	1.6
77.5°	1.6
80°	1.6
82.5°	1.6
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)