

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: P1284501

Luminaire Tested: P3AS13R20B2750DE010 E3DL1MW_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1284501
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS13R20B2750DE010 E3DL1MW_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 80CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

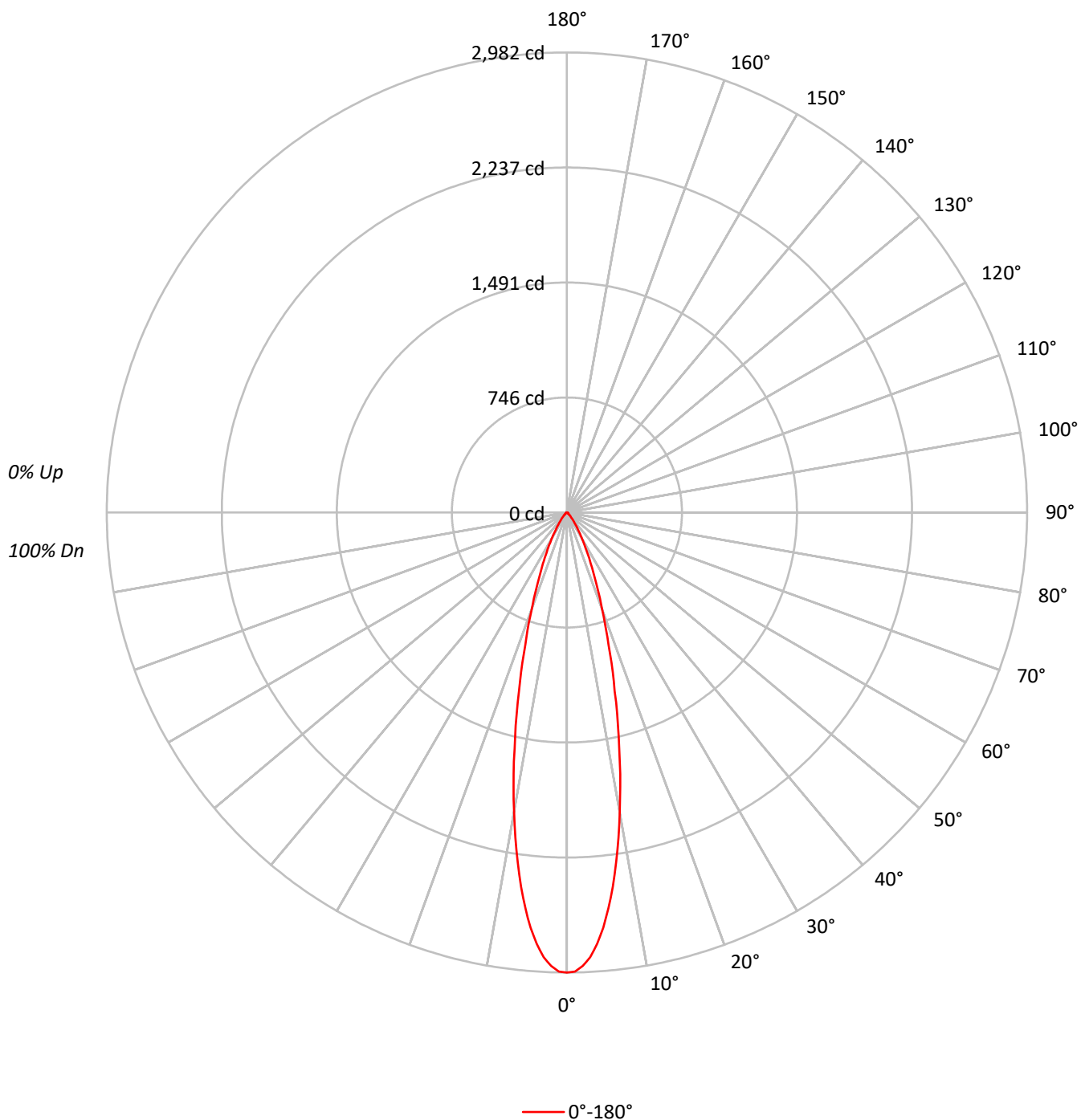
Lumens per Lamp: N/A
Luminaire Lumens: 850.0 lumens
Efficiency: N/A
Efficacy: 44.5 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.46
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 19.1
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

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Luminous Intensity Polar Plot



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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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95		
2	110	106	102	100	108	104	101	98	101	98	96	98	96	94	95	94	92	91		
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	87		
4	102	96	91	88	100	95	90	87	92	89	86	91	88	85	89	86	84	83		
5	98	91	87	83	97	90	86	83	89	85	82	87	84	81	86	83	81	79		
6	95	87	83	79	93	87	82	79	85	81	78	84	81	78	83	80	77	76		
7	91	84	79	76	90	83	79	76	82	78	75	81	78	75	80	77	75	73		
8	88	81	76	73	87	80	76	73	79	75	72	78	75	72	78	74	72	71		
9	85	78	73	70	85	77	73	70	77	73	70	76	72	69	75	72	69	68		
10	83	75	71	68	82	75	70	67	74	70	67	73	70	67	73	69	67	66		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	653983
5°	594473
10°	439359
15°	271784
20°	155203
25°	88602
30°	49704
35°	27037
40°	14799
45°	8156
50°	4776
55°	3441
60°	3245
65°	2958
70°	2629
75°	2796
80°	2020
85°	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 8156 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.9	27.5
10°-20°	333.9	39.3
20°-30°	174.3	20.5
30°-40°	67.4	7.9
40°-50°	21.9	2.6
50°-60°	8.6	1.0
60°-70°	5.7	0.7
70°-80°	3.4	0.4
80°-90°	1.1	0.1
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°	742.0	87.3
0°-40°	809.4	95.2
0°-60°	839.9	98.8
0°-90°	850.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	850.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2982	
5°	2701	234
15°	1197	334
25°	366	174
35°	101	67
45°	26	22
55°	9	9
65°	6	6
75°	3	3
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2982.4
1°	2976.6
2°	2941.3
3°	2887.1
4°	2803.4
5°	2700.7
6°	2579.2
7°	2444.5
8°	2288.5
9°	2136.6
10°	1973.2
12.5°	1568.4
15°	1197.2
17.5°	895.9
20°	665.1
22.5°	492.7
25°	366.2
27.5°	270.2
30°	196.3
32.5°	142.1
35°	101.0
37.5°	73.1
40°	51.7
42.5°	37.0
45°	26.3
47.5°	18.9
50°	14.0
52.5°	10.7
55°	9.0
57.5°	8.2
60°	7.4
62.5°	6.6
65°	5.7
67.5°	4.9
70°	4.1
72.5°	4.1
75°	3.3
77.5°	2.5
80°	1.6
82.5°	1.6
85°	0.8
87.5°	0.8
90°	0.0

(END OF REPORT)