

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: P1282801

Luminaire Tested: P3AS09R20B2750DE010 E3DLD1MW_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1282801
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS09R20B2750DE010 E3DLD1MW_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 80CRI , E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

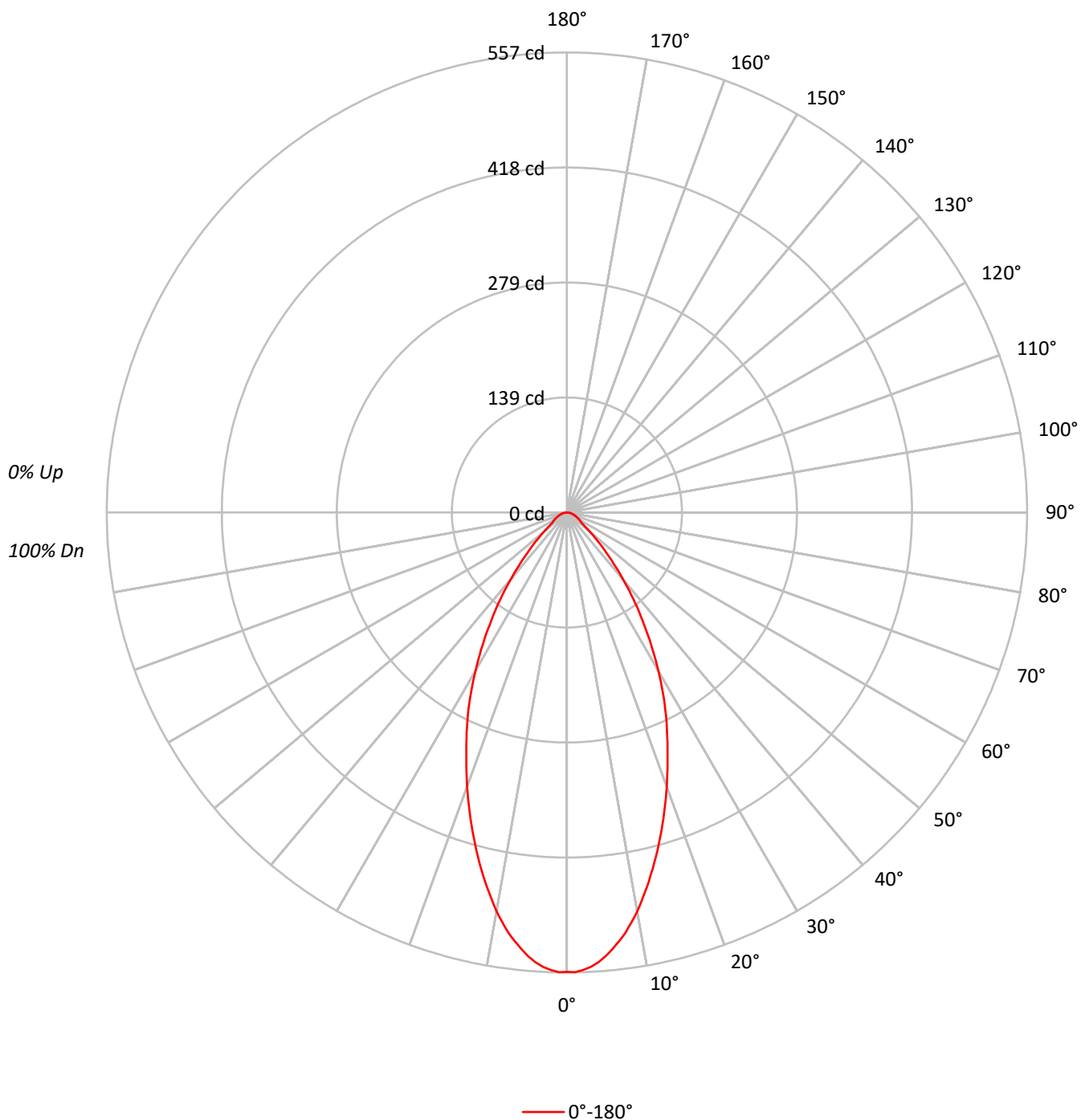
Lumens per Lamp: N/A
Luminaire Lumens: 493.0 lumens
Efficiency: N/A
Efficacy: 37.6 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.83
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 13.1
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					0
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	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91		
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	90	87	85	83		
3	100	93	87	82	98	91	86	82	88	84	80	86	82	79	84	81	78	76		
4	94	86	79	75	92	85	79	74	82	77	73	80	76	72	78	75	72	70		
5	89	80	73	68	87	79	73	68	77	71	67	75	70	67	73	69	66	65		
6	84	74	68	63	82	73	67	63	72	66	62	70	65	62	69	65	61	60		
7	80	69	63	58	78	69	62	58	67	62	58	66	61	57	65	60	57	55		
8	75	65	59	54	74	64	58	54	63	58	54	62	57	53	61	57	53	52		
9	72	61	55	50	70	61	55	50	60	54	50	59	54	50	58	53	50	48		
10	68	58	51	47	67	57	51	47	56	51	47	56	51	47	55	50	47	45		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	121942
5°	118688
10°	109194
15°	96096
20°	82420
25°	69246
30°	55983
35°	42590
40°	30285
45°	20002
50°	12383
55°	8143
60°	7412
65°	6849
70°	6411
75°	5846
80°	5556
85°	4780

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 20002 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.9	10.1
10°-20°	117.9	23.9
20°-30°	130.8	26.5
30°-40°	99.8	20.2
40°-50°	51.1	10.4
50°-60°	21.0	4.3
60°-70°	13.1	2.7
70°-80°	7.3	1.5
80°-90°	2.1	0.4
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°	298.6	60.6
0°-40°	398.4	80.8
0°-60°	470.4	95.4
0°-90°	493.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	493.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	556	
5°	539	50
15°	423	118
25°	286	131
35°	159	100
45°	64	51
55°	21	21
65°	13	13
75°	7	7
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	556.1
1°	556.7
2°	554.2
3°	551.1
4°	546.1
5°	539.2
6°	531.1
7°	522.3
8°	512.9
9°	501.6
10°	490.4
12.5°	457.8
15°	423.3
17.5°	388.3
20°	353.2
22.5°	318.1
25°	286.2
27.5°	254.3
30°	221.1
32.5°	189.8
35°	159.1
37.5°	132.1
40°	105.8
42.5°	83.3
45°	64.5
47.5°	48.8
50°	36.3
52.5°	26.9
55°	21.3
57.5°	19.4
60°	16.9
62.5°	15.0
65°	13.2
67.5°	11.3
70°	10.0
72.5°	8.1
75°	6.9
77.5°	5.6
80°	4.4
82.5°	3.1
85°	1.9
87.5°	0.6
90°	0.0

(END OF REPORT)