

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: P1281731

Luminaire Tested: P3AS05R45B2750DE010 E3CD1MB_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1281731
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS05R45B2750DE010 E3CD1MB_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R45 optic, 5000K CCT AND, 80CRI , E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

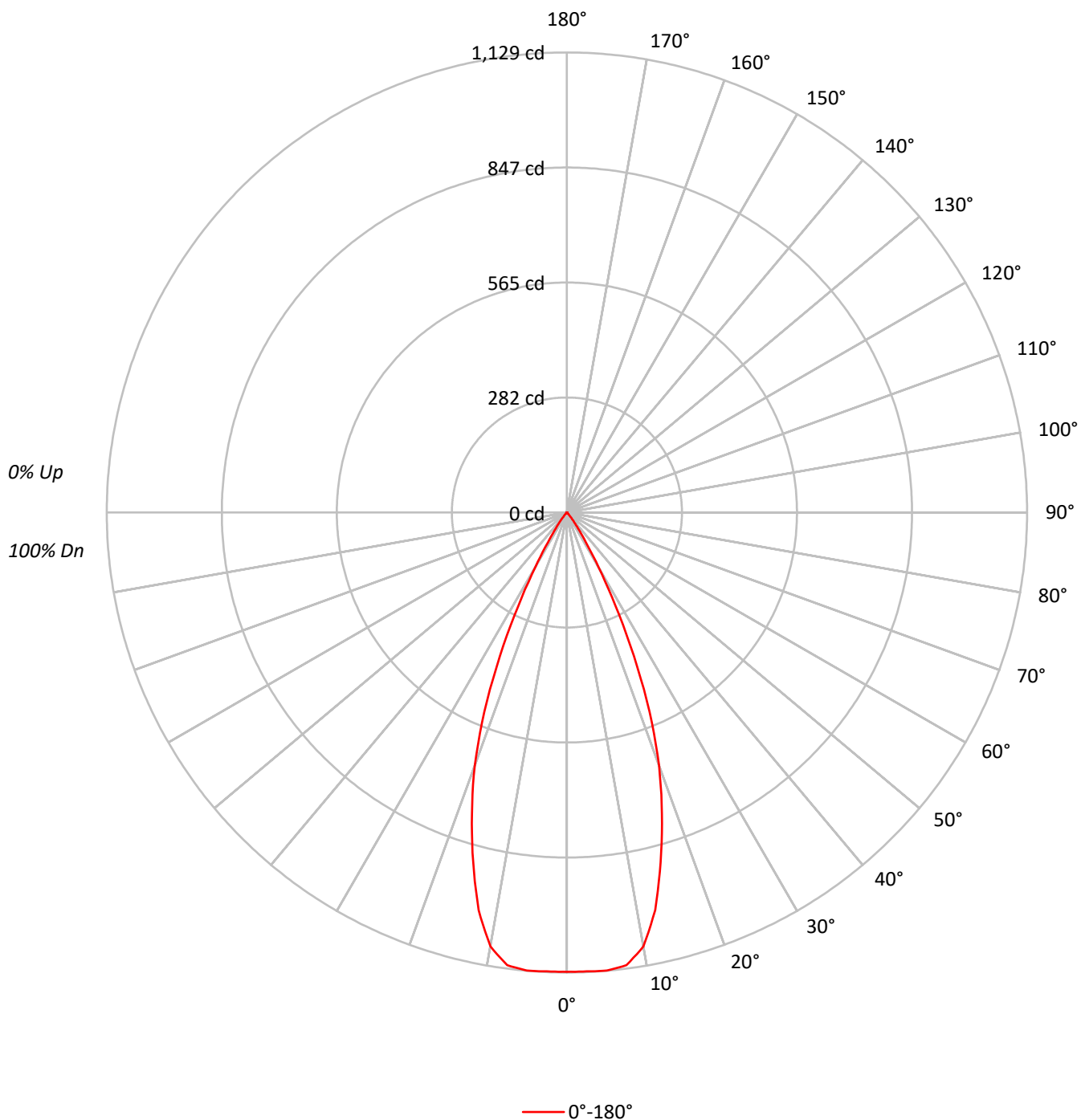
Lumens per Lamp: N/A
Luminaire Lumens: 570.1 lumens
Efficiency: N/A
Efficacy: 96.6 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.72 / 0.66
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
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	96	93	91		94	91	89		92	90	88	86
4	102	95	91	87	100	94	90	87	92	89	86		90	87	85		88	86	84	82
5	98	91	86	82	96	90	85	82	88	84	81		87	83	81		85	82	80	79
6	94	87	82	78	93	86	81	78	85	80	77		83	80	77		82	79	76	75
7	90	83	78	74	89	82	78	74	81	77	74		80	76	74		79	76	73	72
8	87	79	74	71	86	79	74	71	78	74	71		77	73	70		76	73	70	69
9	84	76	71	68	83	76	71	68	75	71	68		74	70	67		73	70	67	66
10	81	73	68	65	80	73	68	65	72	68	65		71	67	65		71	67	65	64

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	247129
5°	248448
10°	240811
15°	201795
20°	154270
25°	93901
30°	39069
35°	12528
40°	3893
45°	806
50°	580
55°	650
60°	570
65°	675
70°	577
75°	763
80°	505
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 806 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.4	18.7
10°-20°	244.3	42.9
20°-30°	175.9	30.9
30°-40°	36.6	6.4
40°-50°	3.4	0.6
50°-60°	1.4	0.2
60°-70°	1.1	0.2
70°-80°	0.8	0.1
80°-90°	0.2	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°	526.7	92.4
0°-40°	563.3	98.8
0°-60°	568.0	99.6
0°-90°	570.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	570.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1127	
5°	1129	106
15°	889	244
25°	388	176
35°	47	37
45°	3	3
55°	2	1
65°	1	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1127.0
2.5°	1127.4
5°	1128.7
7.5°	1120.6
10°	1081.5
12.5°	999.9
15°	888.9
17.5°	775.4
20°	661.1
22.5°	529.7
25°	388.1
27.5°	255.9
30°	154.3
32.5°	86.3
35°	46.8
37.5°	26.4
40°	13.6
42.5°	6.0
45°	2.6
47.5°	1.7
50°	1.7
52.5°	1.7
55°	1.7
57.5°	1.3
60°	1.3
62.5°	1.3
65°	1.3
67.5°	0.9
70°	0.9
72.5°	0.9
75°	0.9
77.5°	0.4
80°	0.4
82.5°	0.4
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)