

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: P1282020

Luminaire Tested: P3AS05R55B2750DE010 E3D1LI_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1282020
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS05R55B2750DE010 E3D1LI_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R55 optic, 4000K CCT AND, 80CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

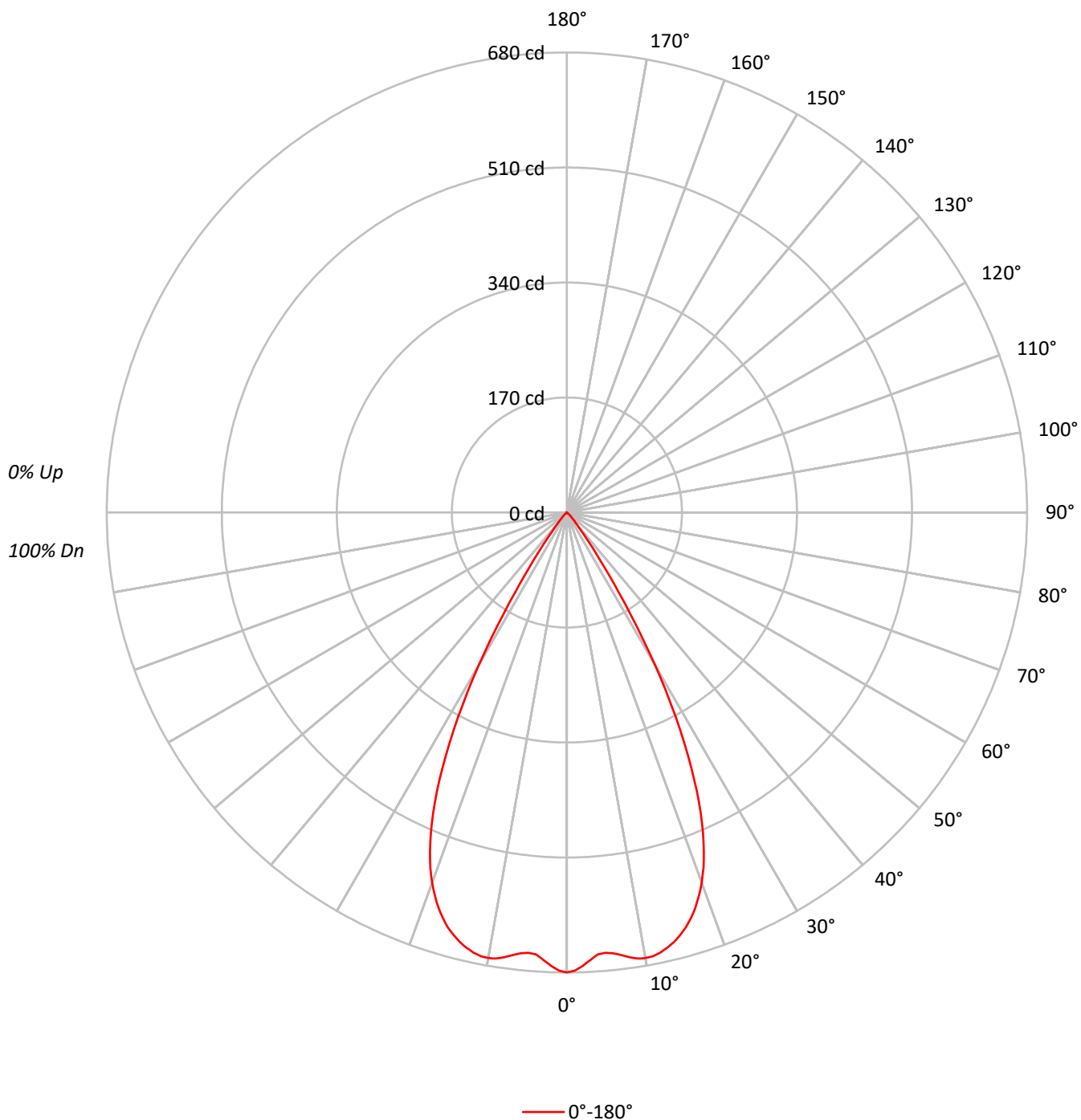
Lumens per Lamp: N/A
Luminaire Lumens: 514.0 lumens
Efficiency: N/A
Efficacy: 87.1 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1282020

CATALOG NUMBER: P3AS05R55B2750DE010 E3D1LI_4000K

Luminous Intensity Polar Plot



TEST NUMBER: P1282020

CATALOG NUMBER: P3AS05R55B2750DE010 E3D1LI_4000K

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	111	109	107	112	109	107	105	105	104	102		102	100	99		98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94	92	91	89
3	104	98	94	90	102	97	93	90	95	91	88		92	89	87		90	88	86	84
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86	83	81	79
5	95	88	82	79	94	87	82	78	85	81	78		84	80	77		82	79	76	75
6	91	83	78	74	90	82	77	74	81	76	73		80	76	73		78	75	72	71
7	87	79	73	70	86	78	73	69	77	72	69		76	72	69		75	71	68	67
8	83	75	69	66	82	74	69	65	73	69	65		72	68	65		71	68	65	63
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68	64	61	60
10	77	68	62	59	76	67	62	59	67	62	59		66	62	59		65	61	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	149045
5°	143781
10°	148917
15°	146811
20°	135882
25°	109893
30°	65858
35°	22326
40°	6154
45°	2729
50°	785
55°	153
60°	88
65°	104
70°	128
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2729 cd/sqm

TEST NUMBER: P1282020

CATALOG NUMBER: P3AS05R55B2750DE010 E3D1LI_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.2	12.3
10°-20°	180.1	35.0
20°-30°	200.1	38.9
30°-40°	62.3	12.1
40°-50°	7.5	1.5
50°-60°	0.6	0.1
60°-70°	0.2	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	443.4	86.3
0°-40°	505.7	98.4
0°-60°	513.8	100.0
0°-90°	514.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	514.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	680	
5°	653	63
15°	647	180
25°	454	200
35°	83	62
45°	9	7
55°	0	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1282020

CATALOG NUMBER: P3AS05R55B2750DE010 E3D1LI_4000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	679.7
1°	677.2
2°	670.6
3°	662.4
4°	654.9
5°	653.2
6°	655.1
7°	659.2
8°	663.9
9°	667.6
10°	668.8
11°	668.0
12°	664.9
13°	660.0
14°	654.4
15°	646.7
16°	638.0
17°	626.8
18°	614.3
19°	599.3
20°	582.3
21°	563.0
22°	540.1
23°	514.9
24°	486.0
25°	454.2
26°	419.2
27°	382.1
28°	342.5
29°	301.7
30°	260.1
31°	218.3
32°	177.5
32.5°	159.3
33°	140.6
34°	108.8
35°	83.4
36°	63.5
37°	47.1
37.5°	40.2
38°	35.0
39°	26.6
40°	21.5
42.5°	13.7
45°	8.8



TEST NUMBER: P1282020

CATALOG NUMBER: P3AS05R55B2750DE010 E3D1LI_4000K

CANDELA DISTRIBUTION (continued):

	0°
47.5°	5.3
50°	2.3
52.5°	0.8
55°	0.4
57.5°	0.2
60°	0.2
62.5°	0.2
65°	0.2
67.5°	0.2
70°	0.2
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)