

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: P1281990

Luminaire Tested: P3AS05R55B2750DE010 E3CB1MMS_4000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1281990
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS05R55B2750DE010 E3CB1MMS_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R55 optic, 4000K CCT AND, 80CRI , E3CB1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

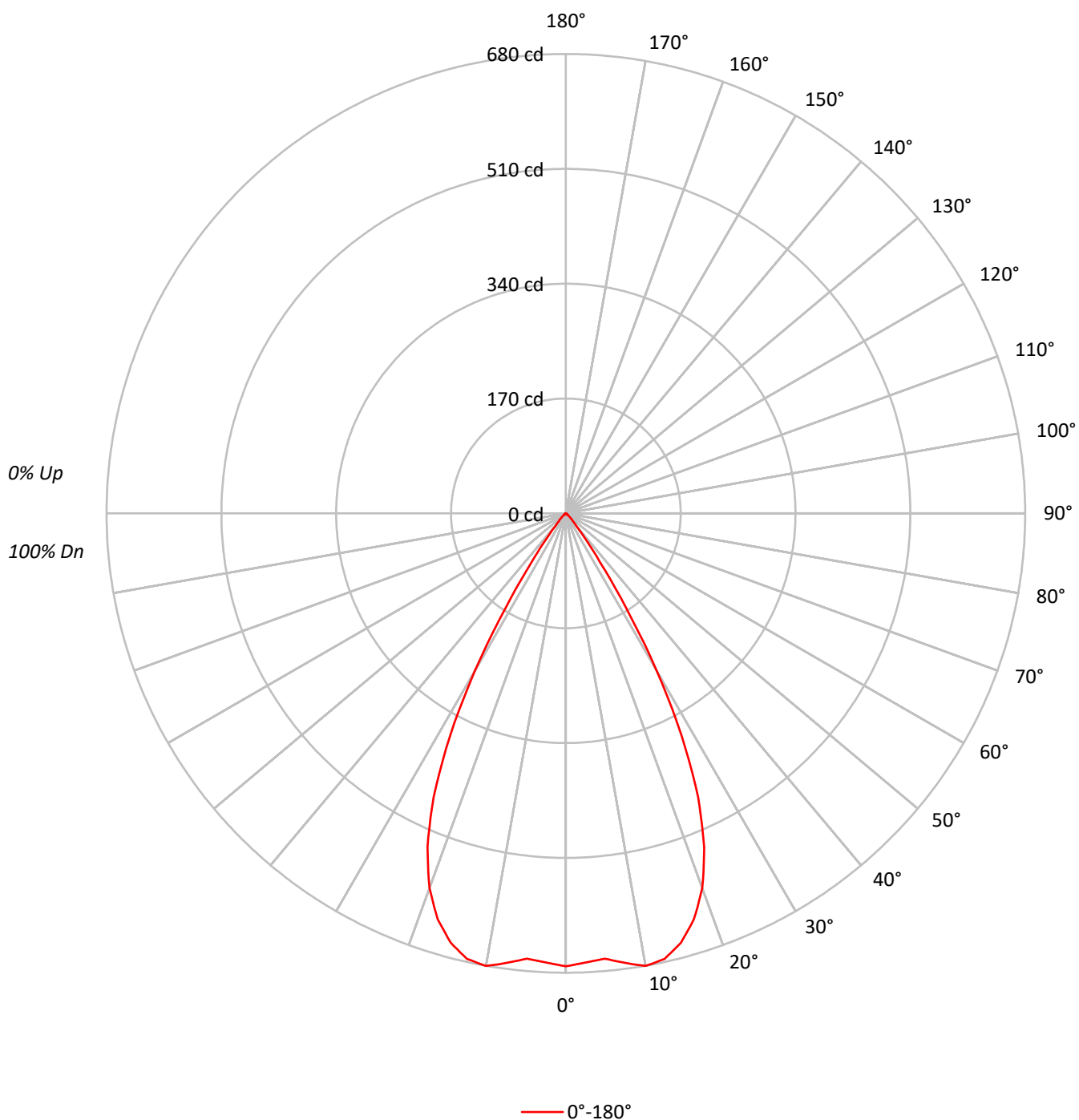
Lumens per Lamp: N/A
Luminaire Lumens: 530.0 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1281990

CATALOG NUMBER: P3AS05R55B2750DE010 E3CB1MMS_4000K

Luminous Intensity Polar Plot



TEST NUMBER: P1281990

CATALOG NUMBER: P3AS05R55B2750DE010 E3CB1MMS_4000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20				20				20
RC	80				70				50				30				10				0				0				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	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	102	102	102	102	102	102	102	102	102	102	102	100
1	114	111	109	107	112	109	107	105	105	104	102	101	100	99	98	97	96	96	96	96	96	96	96	96	96	96	96	96	94
2	109	104	101	98	107	103	99	96	100	97	94	97	94	92	94	92	90	90	90	90	90	90	90	90	90	90	90	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	86	90	87	85	85	85	85	85	85	85	85	85	85	85	85	84
4	99	92	87	84	98	91	87	83	89	85	82	87	84	81	85	83	80	80	80	80	80	80	80	80	80	80	80	80	79
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	82	78	76	76	76	76	76	76	76	76	76	76	76	76	74
6	91	83	77	73	89	82	77	73	80	76	72	79	75	72	78	74	72	72	72	72	72	72	72	72	72	72	72	72	70
7	87	78	73	69	85	78	72	69	76	72	68	75	71	68	74	70	68	68	68	68	68	68	68	68	68	68	68	68	66
8	83	74	69	65	82	74	68	65	73	68	65	72	67	64	71	67	64	64	64	64	64	64	64	64	64	64	64	64	63
9	79	71	65	61	78	70	65	61	69	64	61	68	64	61	68	64	61	61	61	61	61	61	61	61	61	61	61	61	60
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	58	58	58	58	58	58	58	58	58	58	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	147006
5°	145630
10°	151478
15°	149377
20°	137749
25°	112071
30°	68086
35°	23557
40°	6727
45°	3225
50°	1365
55°	612
60°	702
65°	623
70°	513
75°	678
80°	505
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 3225 cd/sqm

TEST NUMBER: P1281990

CATALOG NUMBER: P3AS05R55B2750DE010 E3CB1MMS_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.0	12.1
10°-20°	182.9	34.5
20°-30°	203.9	38.5
30°-40°	66.7	12.6
40°-50°	8.8	1.7
50°-60°	1.9	0.4
60°-70°	1.1	0.2
70°-80°	0.7	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°	450.7	85.0
0°-40°	517.4	97.6
0°-60°	528.1	99.6
0°-90°	530.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	530.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	670	
5°	662	64
15°	658	183
25°	463	204
35°	88	67
45°	10	9
55°	2	2
65°	1	1
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P1281990

CATALOG NUMBER: P3AS05R55B2750DE010 E3CB1MMS_4000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	670.4
2.5°	665.6
5°	661.6
7.5°	671.2
10°	680.3
12.5°	675.5
15°	658.0
17.5°	630.1
20°	590.3
22.5°	535.3
25°	463.2
27.5°	371.6
30°	268.9
32.5°	164.9
35°	88.0
37.5°	44.6
40°	23.5
42.5°	15.1
45°	10.4
47.5°	7.2
50°	4.0
52.5°	2.4
55°	1.6
57.5°	1.6
60°	1.6
62.5°	1.2
65°	1.2
67.5°	0.8
70°	0.8
72.5°	0.8
75°	0.8
77.5°	0.4
80°	0.4
82.5°	0.4
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)