

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: P1305004

Luminaire Tested: P3RT09R55B2750DE010 E3CBUS1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305004
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-92)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3RT09R55B2750DE010 E3CBUS1MW_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R55 optic, 3000K CCT AND, 90CRI , E3CBUS1MW TRIM
Light Source: -
Ballast/Driver: -

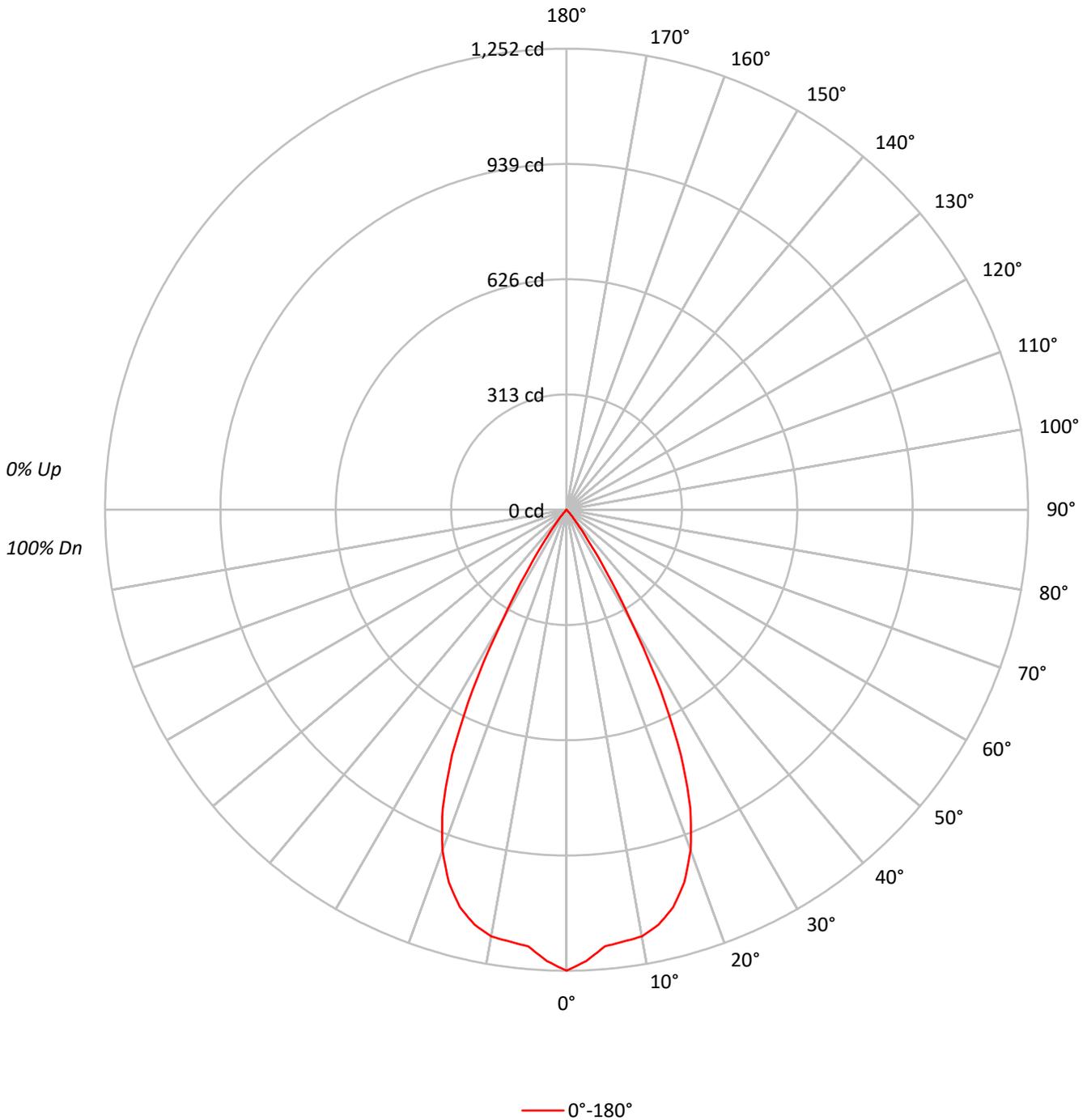
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 826.0 lumens
Efficiency: N/A
Efficacy: 63.1 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.77
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

TEST NUMBER: P1305004
CATALOG NUMBER: P3RT09R55B2750DE010 E3CBUS1MW_3000K

Luminous Intensity Polar Plot





TEST NUMBER: P1305004

CATALOG NUMBER: P3RT09R55B2750DE010 E3CBUS1MW_3000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	98	98	97	95	95	95	95
2	109	105	102	99	107	103	100	97	100	98	95	97	95	93	95	93	91	90	90	90	90
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	88	87	85	85	85	85
4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81	81	81	81
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76	76	76	76
6	92	84	79	76	91	84	79	75	82	78	75	81	77	74	80	76	74	73	73	73	73
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	69	69	69	69
8	85	76	71	68	84	76	71	67	75	70	67	74	70	67	73	69	67	65	65	65	65
9	81	73	68	64	80	72	67	64	72	67	64	71	67	64	70	66	64	62	62	62	62
10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	61	59	59	59	59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	274452
5°	261985
10°	261964
15°	253713
20°	229550
25°	177760
30°	89052
35°	26796
40°	5725
45°	0
50°	0
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

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



TEST NUMBER: P1305004

CATALOG NUMBER: P3RT09R55B2750DE010 E3CBUS1MW_3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.7	13.8
10°-20°	310.0	37.5
20°-30°	319.1	38.6
30°-40°	80.4	9.7
40°-50°	2.7	0.3
50°-60°	0.0	0.0
60°-70°	0.0	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°	742.8	89.9
0°-40°	823.3	99.7
0°-60°	826.0	100.0
0°-90°	826.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	826.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1252	
5°	1190	114
15°	1118	310
25°	735	319
35°	100	80
45°	0	3
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P1305004
CATALOG NUMBER: P3RT09R55B2750DE010 E3CBUS1MW_3000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	1251.6
2.5°	1226.5
5°	1190.2
7.5°	1182.7
10°	1176.5
12.5°	1153.9
15°	1117.6
17.5°	1061.3
20°	983.7
22.5°	878.6
25°	734.7
27.5°	551.9
30°	351.7
32.5°	204.0
35°	100.1
37.5°	47.6
40°	20.0
42.5°	5.0
45°	0.0
47.5°	0.0
50°	0.0
52.5°	0.0
55°	0.0
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
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)