

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: P1305006

Luminaire Tested: P3RT09R55B2750DE010 E3CBUS1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305006
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_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R55 optic, 4000K CCT AND, 80CRI , E3CBUS1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

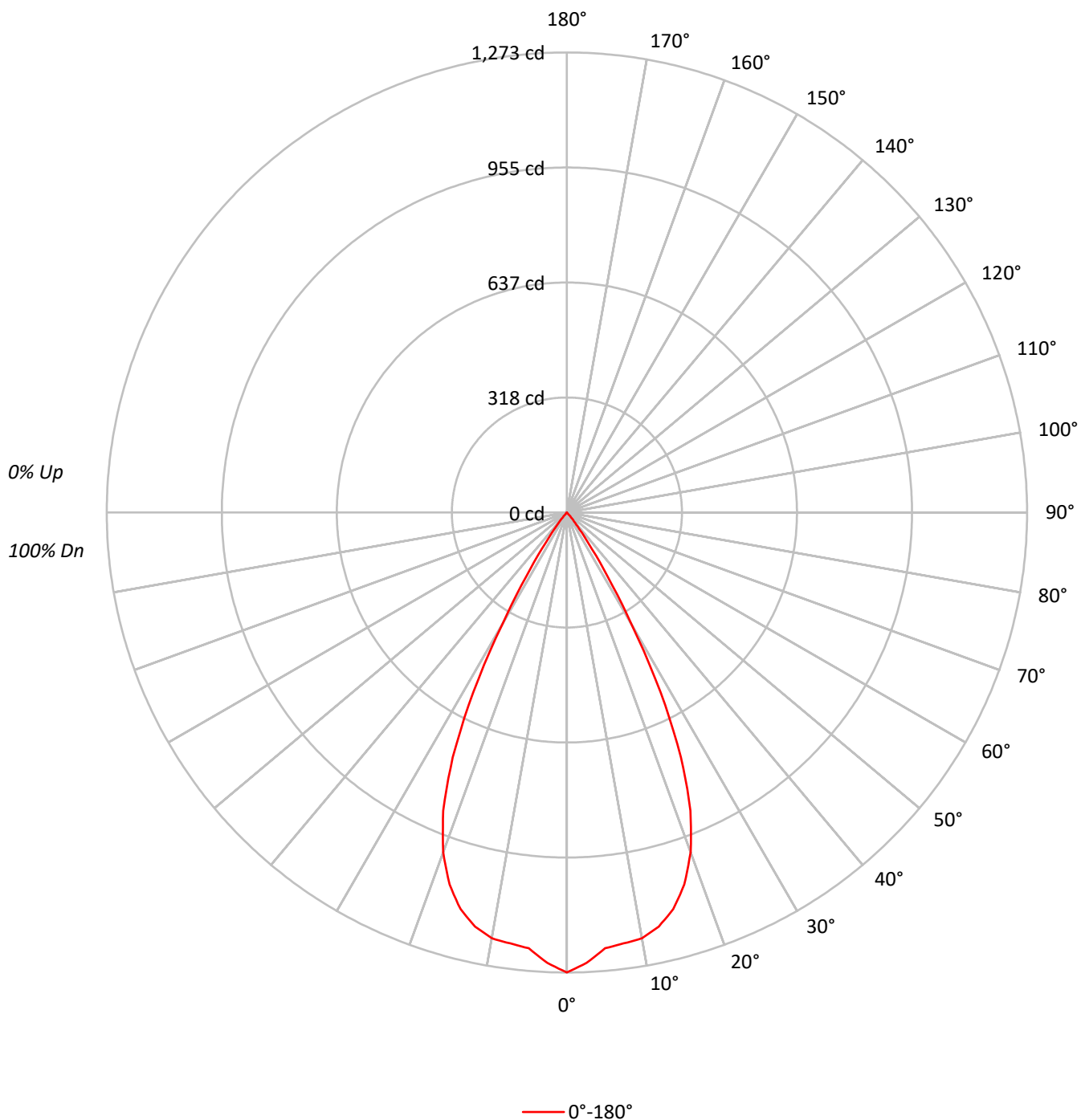
Lumens per Lamp: N/A
Luminaire Lumens: 840.0 lumens
Efficiency: N/A
Efficacy: 64.1 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1305006

CATALOG NUMBER: P3RT09R55B2750DE010 E3CBUS1MW_4000K

Luminous Intensity Polar Plot



TEST NUMBER: P1305006

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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	100	98	98	97	95	95	93	91	89	87	85	83
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	98	98	97	95	95	93	91	89	87	85	83	81	79	77	75
2	109	105	102	99	107	103	100	97	100	98	95	97	95	93	95	93	91	89	87	85	83	81	79	77	75	73	71	69	67
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	88	87	85	83	81	79	77	75	73	71	69	67	65	63
4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81	79	77	75	73	71	69	67	65	63	61	59
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76	74	72	70	68	66	64	62	60	58	56	54
6	92	84	79	76	91	84	79	75	82	78	75	81	77	74	80	76	74	72	70	68	66	64	62	60	58	56	54	52	50
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	68	66	64	62	60	58	56	54	52	50	48	46
8	85	76	71	68	84	76	71	67	75	70	67	74	70	67	73	69	67	65	63	61	59	57	55	53	51	49	47	45	43
9	81	73	68	64	80	72	67	64	72	67	64	71	67	64	70	66	64	62	60	58	56	54	52	50	48	46	44	42	40
10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	61	59	57	55	53	51	49	47	45	43	41	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	279100
5°	266431
10°	266395
15°	258026
20°	233447
25°	180760
30°	90546
35°	27251
40°	5840
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: P1305006

CATALOG NUMBER: P3RT09R55B2750DE010 E3CBUS1MW_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.6	13.8
10°-20°	315.3	37.5
20°-30°	324.6	38.6
30°-40°	81.8	9.7
40°-50°	2.8	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°	755.4	89.9
0°-40°	837.2	99.7
0°-60°	840.0	100.0
0°-90°	840.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	840.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1273	
5°	1210	116
15°	1137	315
25°	747	325
35°	102	82
45°	0	3
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CATALOG NUMBER: P3RT09R55B2750DE010 E3CBUS1MW_4000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	1272.8
2.5°	1247.3
5°	1210.4
7.5°	1202.8
10°	1196.4
12.5°	1173.5
15°	1136.6
17.5°	1079.3
20°	1000.4
22.5°	893.5
25°	747.1
27.5°	561.3
30°	357.6
32.5°	207.5
35°	101.8
37.5°	48.4
40°	20.4
42.5°	5.1
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)