

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: P1283467

Luminaire Tested: P3AS09R45B2750DE010 E3D1MW_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1283467
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: P3AS09R45B2750DE010 E3D1MW_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R45 optic, 2700K CCT AND, 90CRI , E3D1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

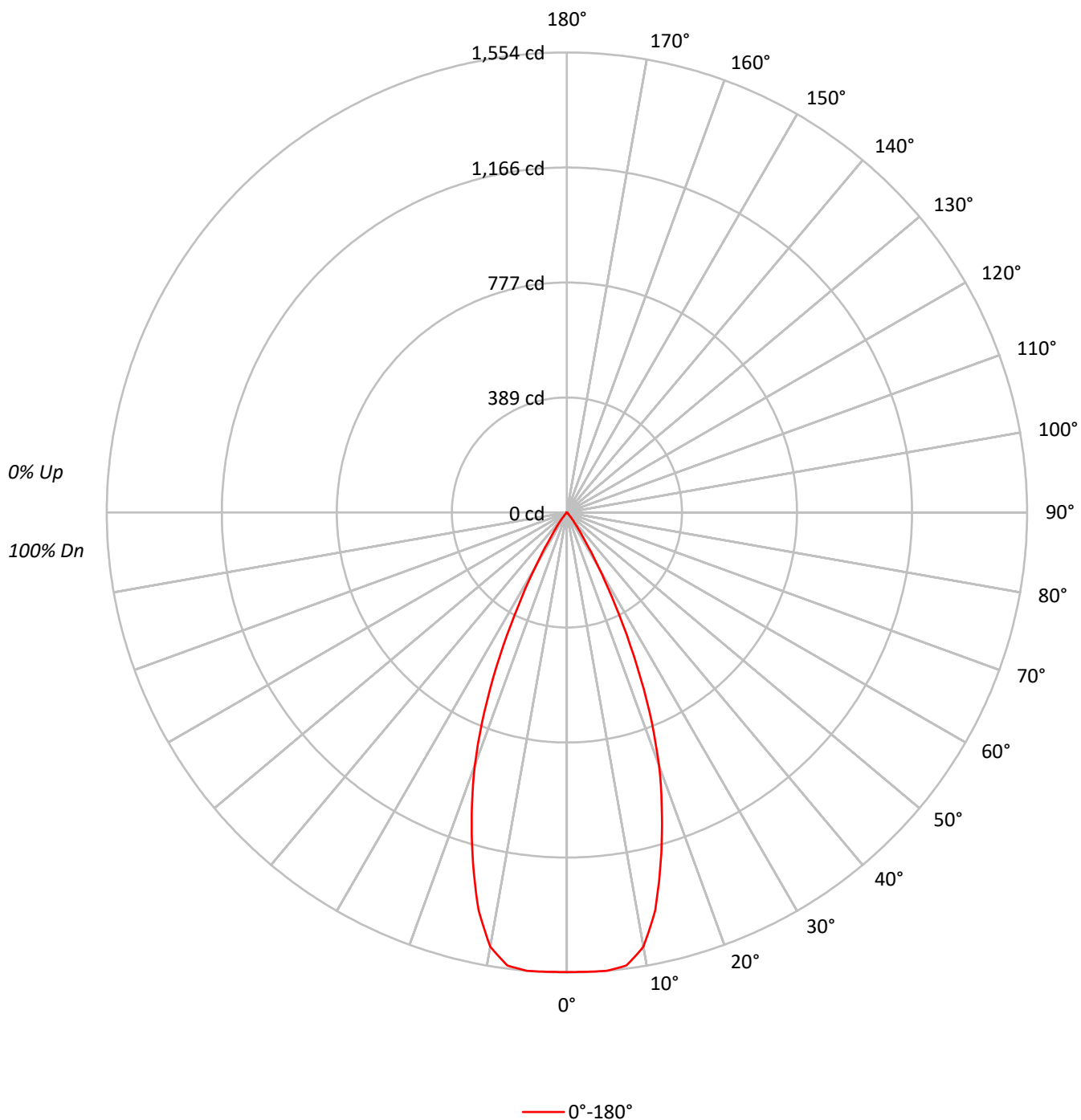
Lumens per Lamp: N/A
Luminaire Lumens: 785.0 lumens
Efficiency: N/A
Efficacy: 59.9 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.72 / 0.66
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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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	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°	340346
5°	342152
10°	331635
15°	277913
20°	212445
25°	129322
30°	53806
35°	17239
40°	5353
45°	1085
50°	785
55°	879
60°	789
65°	934
70°	769
75°	1017
80°	758
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 1085 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.6	18.7
10°-20°	336.5	42.9
20°-30°	242.3	30.9
30°-40°	50.4	6.4
40°-50°	4.6	0.6
50°-60°	1.9	0.2
60°-70°	1.6	0.2
70°-80°	1.0	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°	725.3	92.4
0°-40°	775.7	98.8
0°-60°	782.2	99.6
0°-90°	785.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	785.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1552	
5°	1554	147
15°	1224	336
25°	534	242
35°	64	50
45°	4	5
55°	2	2
65°	2	2
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1552.1
2.5°	1552.7
5°	1554.4
7.5°	1543.3
10°	1489.4
12.5°	1377.0
15°	1224.2
17.5°	1067.9
20°	910.4
22.5°	729.5
25°	534.5
27.5°	352.5
30°	212.5
32.5°	118.9
35°	64.4
37.5°	36.3
40°	18.7
42.5°	8.2
45°	3.5
47.5°	2.3
50°	2.3
52.5°	2.3
55°	2.3
57.5°	1.8
60°	1.8
62.5°	1.8
65°	1.8
67.5°	1.2
70°	1.2
72.5°	1.2
75°	1.2
77.5°	0.6
80°	0.6
82.5°	0.6
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)