

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: P1283520

Luminaire Tested: P3AS09R45B2750DE010 E3DLD1MW_4000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1283520
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS09R45B2750DE010 E3DLD1MW_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R45 optic, 4000K CCT AND, 80CRI , E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

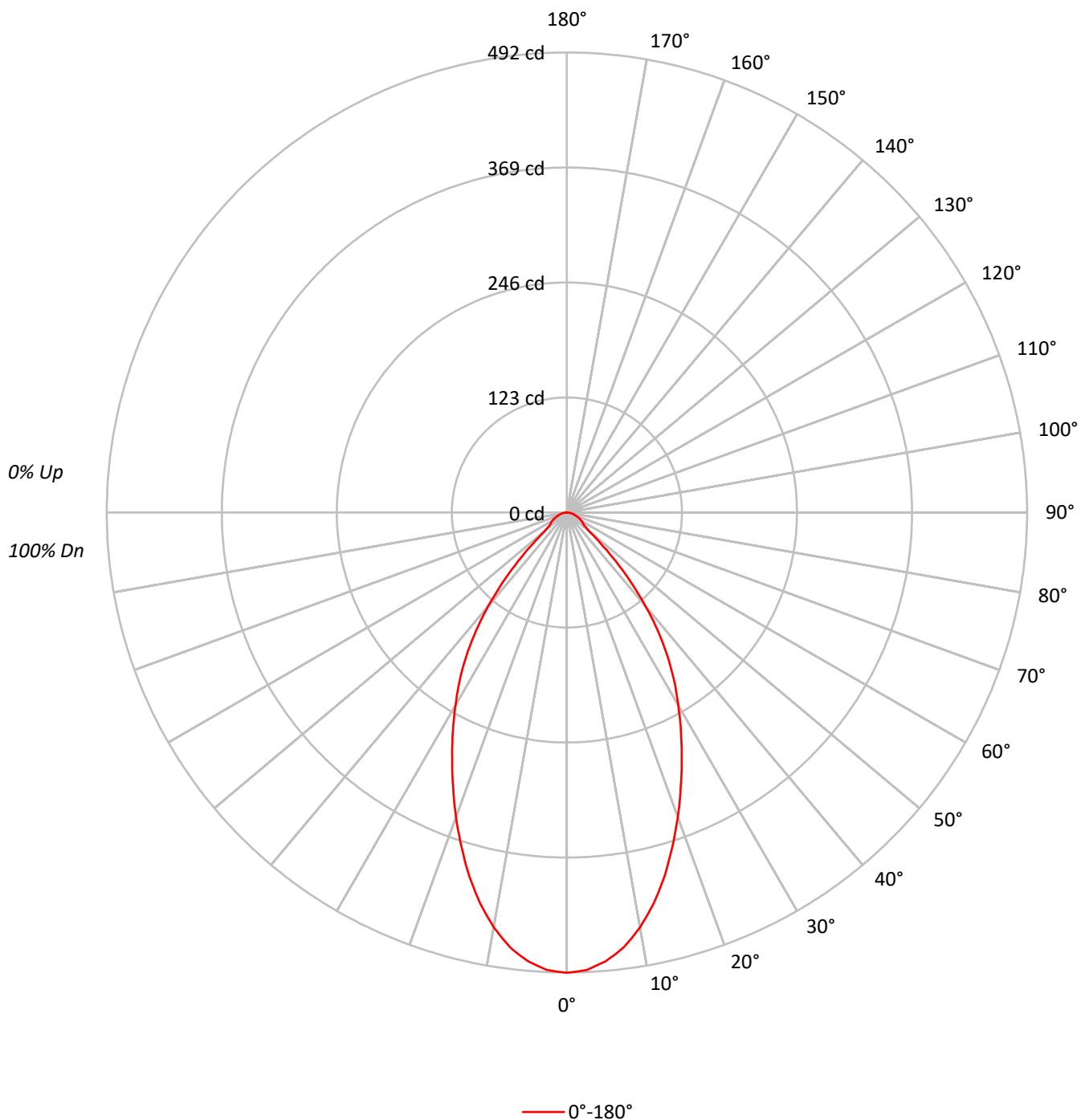
Lumens per Lamp: N/A
Luminaire Lumens: 509.0 lumens
Efficiency: N/A
Efficacy: 38.9 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.92
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1283520

CATALOG NUMBER: P3AS09R45B2750DE010 E3DLD1MW_4000K

Luminous Intensity Polar Plot



TEST NUMBER: P1283520

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	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		
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83		
3	99	92	86	82	97	90	85	81	88	83	80	85	81	78	83	80	77	75		
4	94	85	78	74	92	84	78	73	81	76	72	79	75	71	77	74	71	69		
5	88	79	72	67	86	78	71	67	76	70	66	74	69	65	72	68	65	63		
6	83	73	66	61	81	72	66	61	71	65	61	69	64	60	68	63	60	58		
7	78	68	61	57	77	67	61	56	66	60	56	65	60	56	64	59	55	54		
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	50		
9	70	60	53	49	69	59	53	49	58	52	48	57	52	48	56	52	48	47		
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45	44		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	107930
5°	106009
10°	100310
15°	91487
20°	80904
25°	70262
30°	60313
35°	50246
40°	37442
45°	22917
50°	10609
55°	8296
60°	7982
65°	7316
70°	6796
75°	6439
80°	5935
85°	4529

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 22917 cd/sqm

TEST NUMBER: P1283520

CATALOG NUMBER: P3AS09R45B2750DE010 E3DLD1MW_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.0	8.8
10°-20°	112.2	22.0
20°-30°	133.3	26.2
30°-40°	115.8	22.8
40°-50°	58.1	11.4
50°-60°	20.2	4.0
60°-70°	14.1	2.8
70°-80°	7.9	1.6
80°-90°	2.4	0.5
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°	290.5	57.1
0°-40°	406.3	79.8
0°-60°	484.6	95.2
0°-90°	509.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	509.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	492	
5°	482	45
15°	403	112
25°	290	133
35°	188	116
45°	74	58
55°	22	20
65°	14	14
75°	8	8
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	492.2
2.5°	489.8
5°	481.6
7.5°	468.7
10°	450.5
12.5°	428.2
15°	403.0
17.5°	374.8
20°	346.7
22.5°	317.9
25°	290.4
27.5°	264.0
30°	238.2
32.5°	213.5
35°	187.7
37.5°	160.1
40°	130.8
42.5°	102.1
45°	73.9
47.5°	48.7
50°	31.1
52.5°	24.1
55°	21.7
57.5°	19.9
60°	18.2
62.5°	16.4
65°	14.1
67.5°	12.3
70°	10.6
72.5°	8.8
75°	7.6
77.5°	5.9
80°	4.7
82.5°	3.5
85°	1.8
87.5°	1.2
90°	0.0

(END OF REPORT)