

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: P1297550

Luminaire Tested: P3A13R45W2N902765DE010 E3DLP1WMH_6500K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1297550
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R45W2N902765DE010 E3DLP1WMH_6500K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 6500K CCT AND, 90CRI ,
E3DLP1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

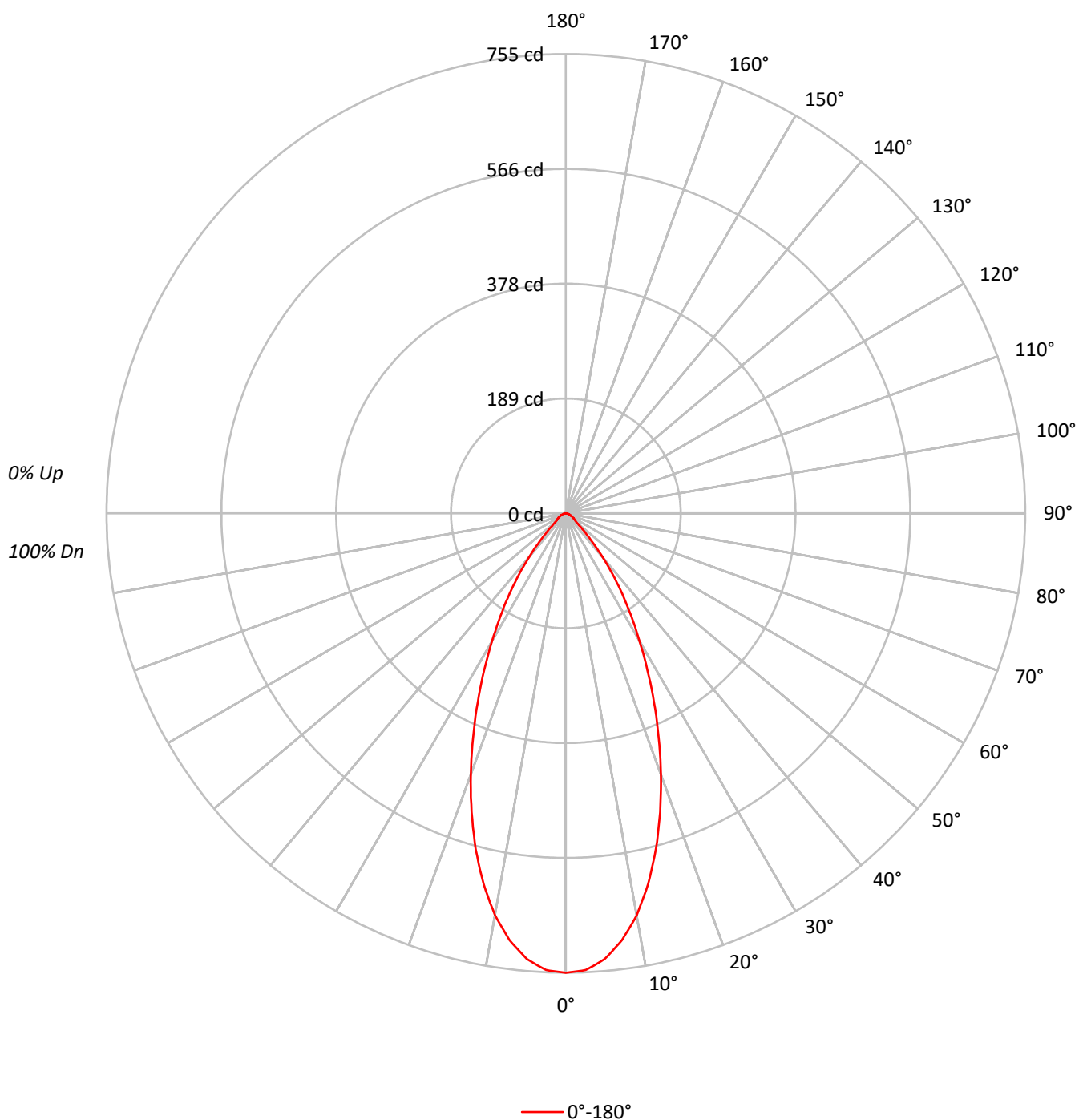
Lumens per Lamp: N/A
Luminaire Lumens: 556.0 lumens
Efficiency: N/A
Efficacy: 45.2 lumens/watt
Spacing Criteria (0/90/45): 0.73 / 0.73 / 0.76
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 12.3
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: P1297550

CATALOG NUMBER: P3A13R45W2N902765DE010 E3DLP1WMH_6500K

Luminous Intensity Polar Plot





TEST NUMBER: P1297550

CATALOG NUMBER: P3A13R45W2N902765DE010 E3DLP1WMH_6500K

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	107	105	111	108	106	103	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	102	95	90	85	100	93	89	85	91	87	83		88	85	82		86
4	96	88	83	78	94	87	82	78	85	81	77		83	79	76		81
5	91	83	77	72	90	82	76	72	80	75	71		78	74	71		77
6	87	78	72	67	85	77	71	67	75	70	66		74	69	66		73
7	83	73	67	63	81	72	67	63	71	66	62		70	65	62		69
8	79	69	63	59	77	68	63	59	67	62	58		66	62	58		65
9	75	65	59	55	74	65	59	55	64	59	55		63	58	55		62
10	72	62	56	52	71	61	56	52	61	55	52		60	55	52		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	165601
5°	161831
10°	149296
15°	129808
20°	106643
25°	82964
30°	61275
35°	43125
40°	26908
45°	14575
50°	7880
55°	6767
60°	6096
65°	5189
70°	4424
75°	4575
80°	3915
85°	3774

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 14575 cd/sqm

TEST NUMBER: P1297550

CATALOG NUMBER: P3A13R45W2N902765DE010 E3DLP1WMH_6500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.1	12.2
10°-20°	158.1	28.4
20°-30°	156.9	28.2
30°-40°	101.1	18.2
40°-50°	38.9	7.0
50°-60°	15.8	2.8
60°-70°	10.0	1.8
70°-80°	5.4	1.0
80°-90°	1.7	0.3
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°	383.1	68.9
0°-40°	484.2	87.1
0°-60°	538.9	96.9
0°-90°	556.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	556.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	755	
5°	735	68
15°	572	158
25°	343	157
35°	161	101
45°	47	39
55°	18	16
65°	10	10
75°	5	5
85°	2	2
90°	0	

TEST NUMBER: P1297550

CATALOG NUMBER: P3A13R45W2N902765DE010 E3DLP1WMH_6500K

CANDELA DISTRIBUTION (FULL):

0°	
0°	755.2
2.5°	751.4
5°	735.2
7.5°	707.5
10°	670.5
12.5°	624.2
15°	571.8
17.5°	514.8
20°	457.0
22.5°	398.4
25°	342.9
27.5°	290.5
30°	242.0
32.5°	199.6
35°	161.1
37.5°	126.4
40°	94.0
42.5°	67.8
45°	47.0
47.5°	31.6
50°	23.1
52.5°	19.3
55°	17.7
57.5°	15.4
60°	13.9
62.5°	11.6
65°	10.0
67.5°	8.5
70°	6.9
72.5°	6.2
75°	5.4
77.5°	3.9
80°	3.1
82.5°	2.3
85°	1.5
87.5°	0.8
90°	0.0

(END OF REPORT)