

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: P1289751

Luminaire Tested: P3A05R45W2N902750DE010 E3DLD1GPH_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1289751
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: P3A05R45W2N902750DE010 E3DLD1GPH_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 2700K CCT AND, 90CRI ,
E3DLD1GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

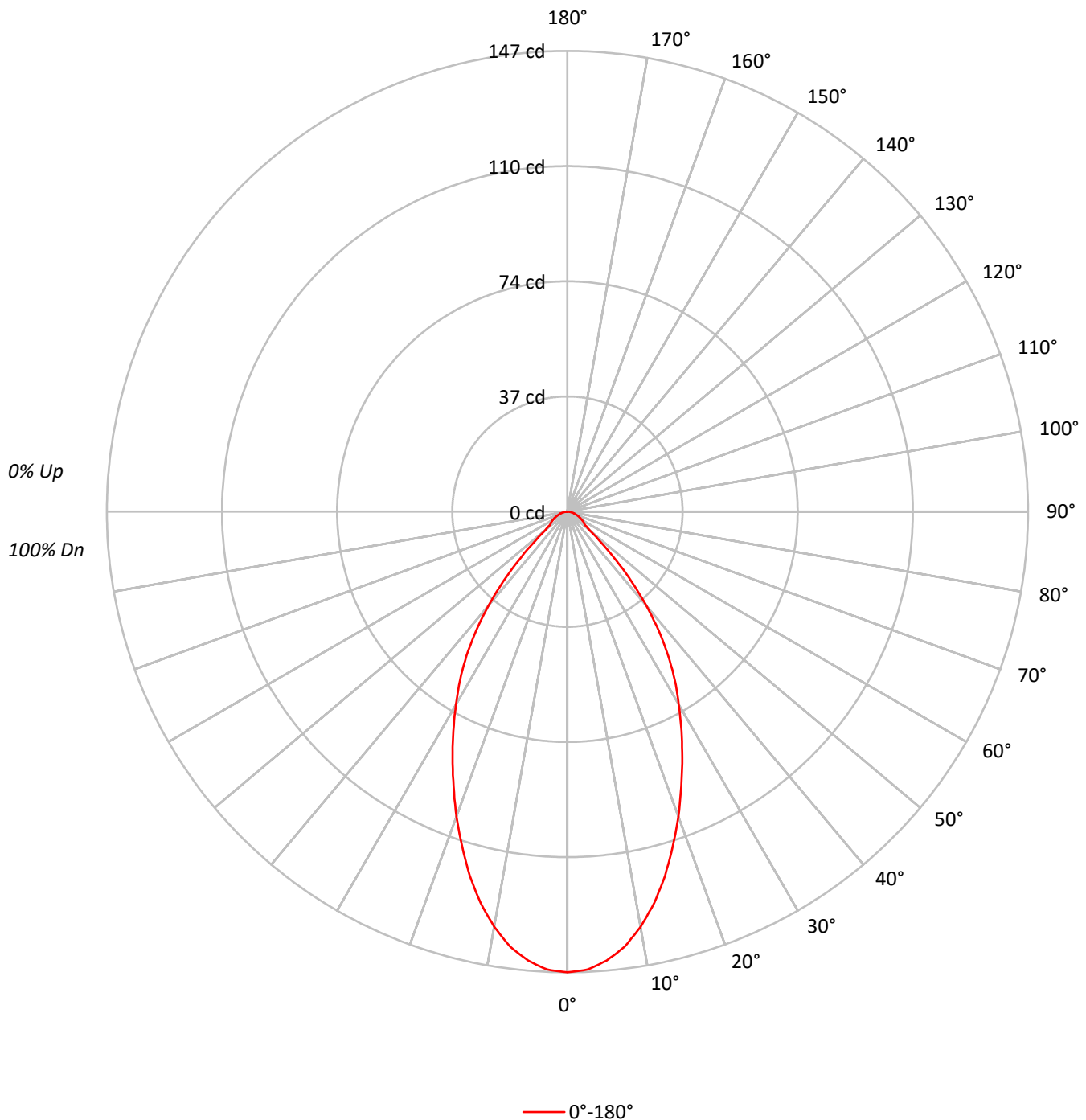
Lumens per Lamp: N/A
Luminaire Lumens: 152.1 lumens
Efficiency: N/A
Efficacy: 25.8 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.92
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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: P1289751

CATALOG NUMBER: P3A05R45W2N902750DE010 E3DLD1GPH_2700K

Luminous Intensity Polar Plot



TEST NUMBER: P1289751

CATALOG NUMBER: P3A05R45W2N902750DE010 E3DLD1GPH_2700K

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	0
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	84	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	51	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	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	32234
5°	31653
10°	29948
15°	27310
20°	24152
25°	20977
30°	18003
35°	15018
40°	11192
45°	6853
50°	3173
55°	2485
60°	2368
65°	2179
70°	2052
75°	1949
80°	1768
85°	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 6853 cd/sqm

TEST NUMBER: P1289751

CATALOG NUMBER: P3A05R45W2N902750DE010 E3DLD1GPH_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.4	8.8
10°-20°	33.5	22.0
20°-30°	39.8	26.2
30°-40°	34.6	22.8
40°-50°	17.4	11.4
50°-60°	6.0	4.0
60°-70°	4.2	2.8
70°-80°	2.4	1.6
80°-90°	0.7	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°	86.7	57.0
0°-40°	121.3	79.8
0°-60°	144.7	95.2
0°-90°	152.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	152.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	147	
5°	144	13
15°	120	33
25°	87	40
35°	56	35
45°	22	17
55°	6	6
65°	4	4
75°	2	2
85°	0	1
90°	0	

TEST NUMBER: P1289751

CATALOG NUMBER: P3A05R45W2N902750DE010 E3DLD1GPH_2700K

CANDELA DISTRIBUTION (FULL):

0°	
0°	147.0
2.5°	146.3
5°	143.8
7.5°	140.0
10°	134.5
12.5°	127.9
15°	120.3
17.5°	111.9
20°	103.5
22.5°	94.9
25°	86.7
27.5°	78.8
30°	71.1
32.5°	63.8
35°	56.1
37.5°	47.8
40°	39.1
42.5°	30.5
45°	22.1
47.5°	14.5
50°	9.3
52.5°	7.2
55°	6.5
57.5°	6.0
60°	5.4
62.5°	4.9
65°	4.2
67.5°	3.7
70°	3.2
72.5°	2.6
75°	2.3
77.5°	1.8
80°	1.4
82.5°	1.1
85°	0.5
87.5°	0.4
90°	0.0

(END OF REPORT)