

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: P1290359

Luminaire Tested: P3A05R55W2N902750DE010 E3DL1WH_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1290359
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R55W2N902750DE010 E3DL1WH_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 5000K CCT AND, 90CRI ,
E3DL1WH TRIM
Light Source: -
Ballast/Driver: -

Summary

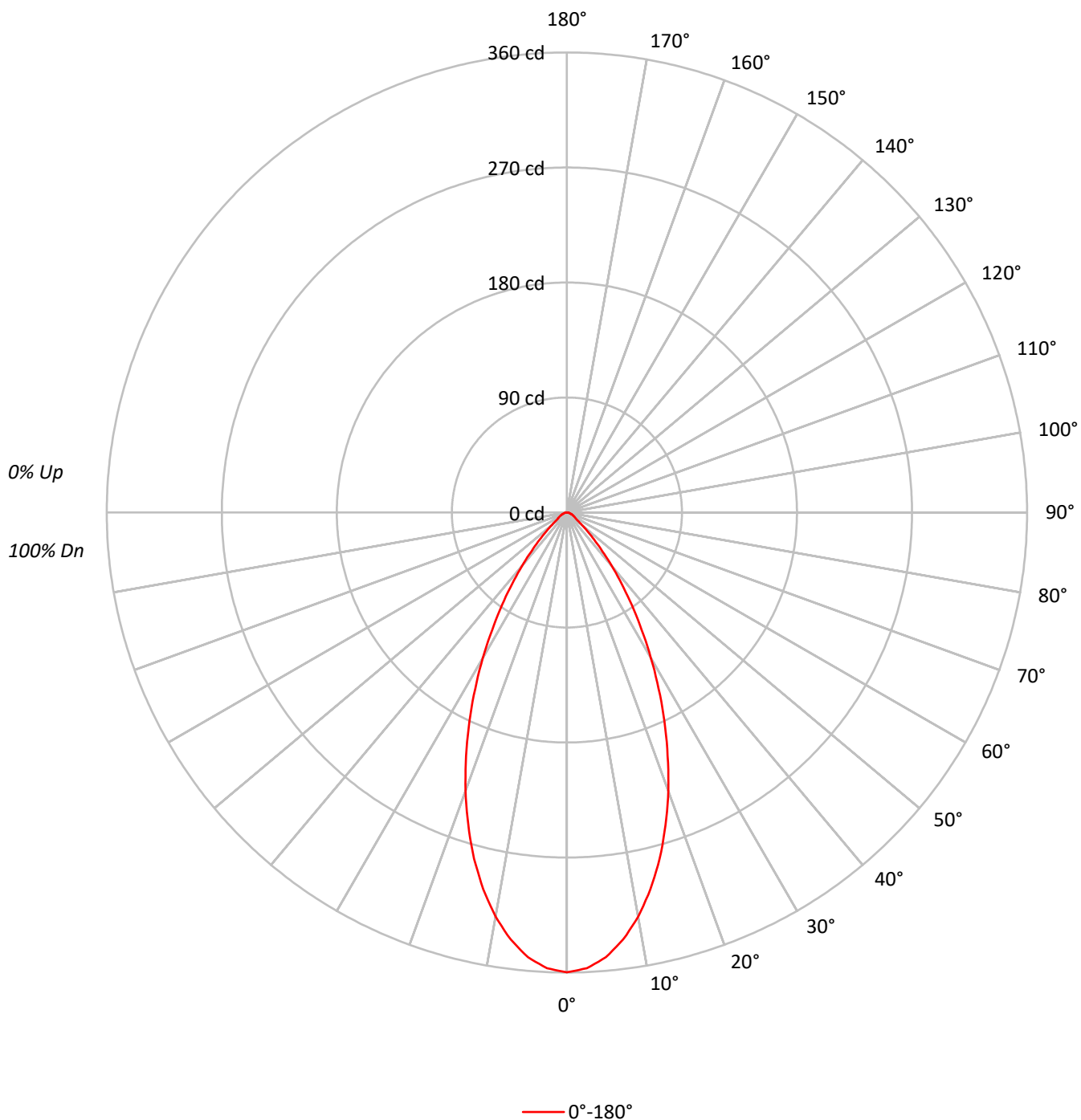
Lumens per Lamp: N/A
Luminaire Lumens: 290.1 lumens
Efficiency: N/A
Efficacy: 49.2 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.8
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1290359

CATALOG NUMBER: P3A05R55W2N902750DE010 E3DL1WH_5000K

Luminous Intensity Polar Plot



TEST NUMBER: P1290359

CATALOG NUMBER: P3A05R55W2N902750DE010 E3DL1WH_5000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	113	110	107	105	110	108	105	103	104	102	100		100	98	97		97	95	94		92
2	107	102	97	94	105	100	96	93	97	93	91		94	91	89		91	89	87		85
3	101	94	89	85	99	93	88	84	90	86	83		88	84	81		85	83	80		79
4	96	88	82	77	94	87	81	77	84	80	76		82	78	75		80	77	74		73
5	91	82	76	71	89	81	75	71	79	74	70		77	73	70		76	72	69		67
6	86	77	70	66	84	76	70	66	74	69	65		73	68	65		72	67	64		63
7	82	72	66	61	80	71	65	61	70	65	61		69	64	60		68	63	60		59
8	78	68	62	57	76	67	61	57	66	61	57		65	60	57		64	60	56		55
9	74	64	58	54	73	63	58	54	62	57	53		62	57	53		61	56	53		52
10	70	60	54	51	69	60	54	50	59	54	50		58	54	50		58	53	50		49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	78897
5°	76909
10°	71497
15°	63678
20°	54115
25°	43672
30°	33296
35°	23664
40°	15629
45°	9272
50°	5424
55°	3364
60°	2982
65°	2698
70°	2308
75°	2033
80°	2020
85°	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 9272 cd/sqm

TEST NUMBER: P1290359

CATALOG NUMBER: P3A05R55W2N902750DE010 E3DL1WH_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.4	11.2
10°-20°	77.8	26.8
20°-30°	82.4	28.4
30°-40°	55.6	19.2
40°-50°	24.4	8.4
50°-60°	8.8	3.0
60°-70°	5.1	1.8
70°-80°	2.7	0.9
80°-90°	0.9	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°	192.6	66.4
0°-40°	248.2	85.6
0°-60°	281.4	97.0
0°-90°	290.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	290.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	360	
5°	349	32
15°	280	78
25°	180	82
35°	88	56
45°	30	24
55°	9	9
65°	5	5
75°	2	3
85°	1	1
90°	0	

TEST NUMBER: P1290359

CATALOG NUMBER: P3A05R55W2N902750DE010 E3DL1WH_5000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	359.8
2.5°	357.0
5°	349.4
7.5°	337.1
10°	321.1
12.5°	302.0
15°	280.5
17.5°	256.6
20°	231.9
22.5°	206.0
25°	180.5
27.5°	155.4
30°	131.5
32.5°	108.8
35°	88.4
37.5°	70.1
40°	54.6
42.5°	41.0
45°	29.9
47.5°	21.9
50°	15.9
52.5°	11.2
55°	8.8
57.5°	8.0
60°	6.8
62.5°	6.0
65°	5.2
67.5°	4.4
70°	3.6
72.5°	3.2
75°	2.4
77.5°	2.0
80°	1.6
82.5°	1.2
85°	0.8
87.5°	0.4
90°	0.0

(END OF REPORT)