

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: P1289359

Luminaire Tested: P3A05R35W2N902765DE010 E3PHLD1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1289359
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R35W2N902765DE010 E3PHLD1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 5000K CCT AND, 90CRI ,
E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

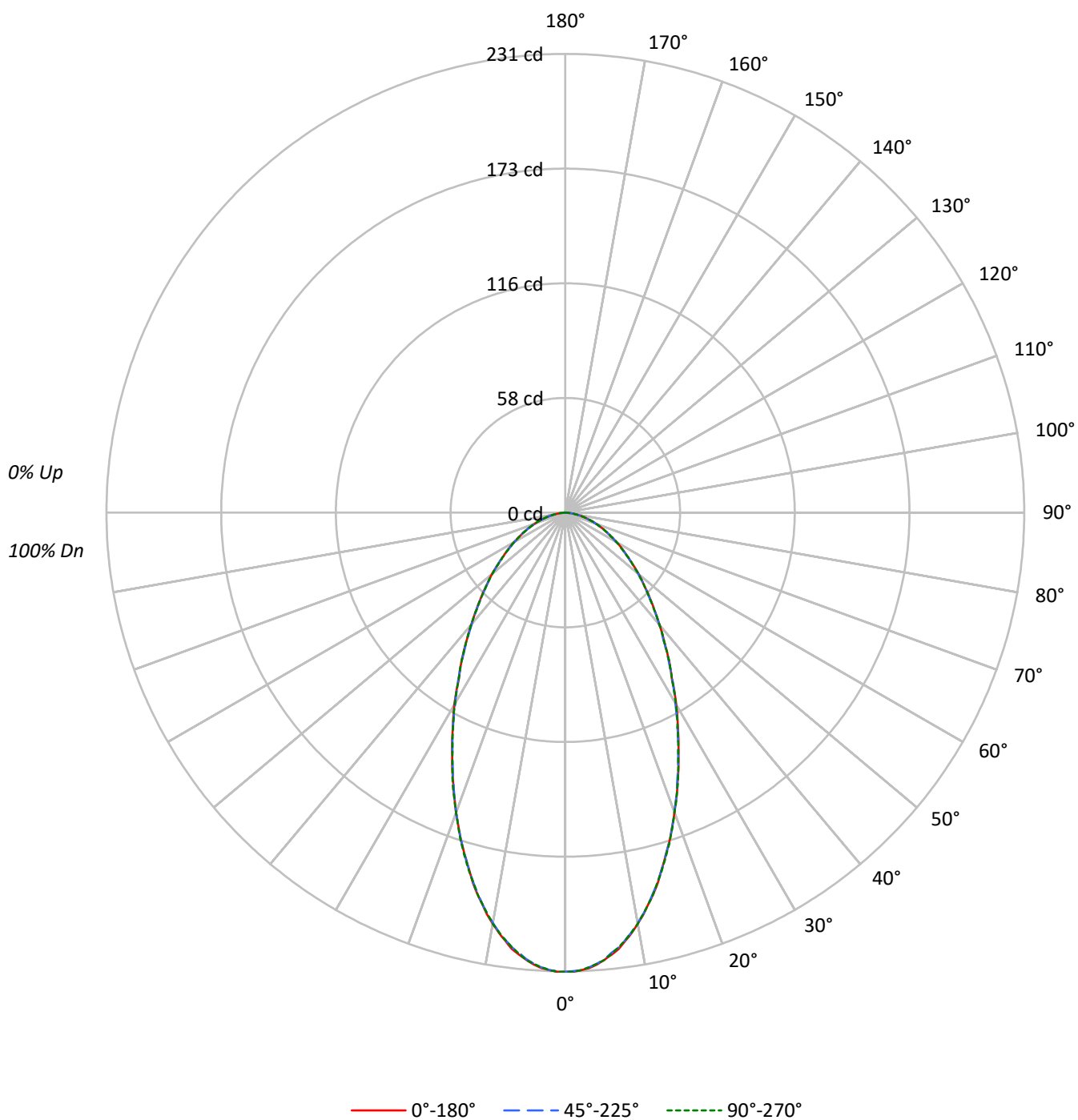
Lumens per Lamp: N/A
Luminaire Lumens: 309.0 lumens
Efficiency: N/A
Efficacy: 52.4 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1289359

CATALOG NUMBER: P3A05R35W2N902765DE010 E3PHLD1MW_5000K

Luminous Intensity Polar Plot



TEST NUMBER: P1289359

CATALOG NUMBER: P3A05R35W2N902765DE010 E3PHLD1MW_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	111	107	103	100	108	105	101	99	100	98	95		97	95	93		93	91	90		88
2	103	96	90	85	100	94	89	84	90	86	82		87	84	81		84	81	79		77
3	95	86	79	74	93	85	78	73	82	76	72		79	75	71		77	73	70		68
4	88	78	71	65	86	77	70	64	75	68	64		72	67	63		70	66	62		60
5	82	71	64	58	80	70	63	58	68	62	57		66	61	56		65	60	56		54
6	77	65	58	52	75	65	57	52	63	56	51		61	55	51		60	55	51		49
7	72	60	53	47	71	60	52	47	58	52	47		57	51	46		55	50	46		44
8	68	56	48	43	66	55	48	43	54	47	43		53	47	43		52	46	42		41
9	64	52	45	40	63	51	44	40	50	44	39		49	44	39		48	43	39		37
10	60	49	42	37	59	48	41	37	47	41	37		46	41	36		45	40	36		35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	50720	50720	50720
5°	49769	49681	49769
10°	46804	46715	46804
15°	42361	42361	42452
20°	37500	37500	37500
25°	32615	32518	32518
30°	28283	28080	28182
35°	24333	24226	24333
40°	21125	21011	21125
45°	18545	18421	18421
50°	16477	16341	16341
55°	14489	14489	14489
60°	13113	12938	13113
65°	11778	11778	11778
70°	10515	10515	10515
75°	9489	9150	9489
80°	8082	8082	8082
85°	5032	5032	5032

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 18545 cd/sqm

TEST NUMBER: P1289359

CATALOG NUMBER: P3A05R35W2N902765DE010 E3PHLD1MW_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.0	6.8
10°-20°	52.1	16.8
20°-30°	61.9	20.0
30°-40°	56.9	18.4
40°-50°	46.2	14.9
50°-60°	34.2	11.1
60°-70°	22.5	7.3
70°-80°	11.7	3.8
80°-90°	2.6	0.9
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°	135.0	43.7
0°-40°	191.8	62.1
0°-60°	272.1	88.1
0°-90°	309.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	309.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	231	231	231	231	231	
5°	226	226	226	226	226	21
15°	187	187	187	187	187	52
25°	135	134	134	135	134	62
35°	91	90	90	91	91	57
45°	60	59	59	59	59	46
55°	38	38	38	38	38	34
65°	23	23	23	23	23	23
75°	11	11	11	11	11	12
85°	2	2	2	2	2	3
90°	0	0	0	0	0	

TEST NUMBER: P1289359

CATALOG NUMBER: P3A05R35W2N902765DE010 E3PHLD1MW_5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	231.3	231.3	231.3	231.3	231.3
1°	231.3	230.9	230.9	230.9	231.3
2°	230.5	230.5	230.5	230.5	230.5
3°	229.7	229.3	229.3	229.3	229.3
4°	228.1	227.7	227.7	227.7	227.7
5°	226.1	225.7	225.7	225.7	226.1
6°	223.7	223.3	222.9	222.9	223.3
7°	221.3	220.5	220.5	220.5	220.5
8°	217.7	217.3	217.3	217.3	217.3
9°	214.2	213.4	213.8	213.8	213.8
10°	210.2	209.8	209.8	209.8	210.2
11°	206.2	205.8	205.8	205.4	205.8
12°	201.4	201.4	201.4	201.4	201.4
13°	197.0	196.6	196.6	196.6	197.0
14°	192.2	191.8	191.8	191.8	191.8
15°	186.6	186.6	186.6	186.6	187.0
17.5°	173.9	173.5	173.9	173.9	174.3
20°	160.7	160.3	160.7	160.7	160.7
22.5°	147.6	147.6	147.2	147.6	148.0
25°	134.8	134.4	134.4	134.8	134.4
27.5°	122.8	122.4	122.4	122.4	122.4
30°	111.7	110.9	110.9	111.3	111.3
32.5°	100.1	100.1	100.5	100.1	100.1
35°	90.9	90.5	90.5	90.9	90.9
37.5°	81.8	81.4	81.4	81.8	81.8
40°	73.8	73.8	73.4	73.8	73.8
42.5°	66.2	66.2	66.2	66.2	66.2
45°	59.8	59.4	59.4	59.4	59.4
47.5°	53.4	53.4	53.4	53.0	53.4
50°	48.3	47.9	47.9	47.9	47.9
52.5°	42.7	42.7	42.7	42.7	42.7
55°	37.9	37.9	37.9	37.9	37.9
57.5°	33.9	33.5	33.5	33.5	33.5
60°	29.9	29.9	29.5	29.9	29.9
62.5°	25.9	25.9	25.9	25.9	25.9
65°	22.7	22.7	22.7	22.7	22.7
67.5°	19.5	19.5	19.5	19.5	19.5
70°	16.4	16.4	16.4	16.4	16.4
72.5°	14.0	13.6	13.6	13.6	13.6
75°	11.2	11.2	10.8	11.2	11.2
77.5°	8.4	8.4	8.4	8.4	8.4
80°	6.4	6.4	6.4	6.0	6.4
82.5°	4.0	4.0	4.0	4.0	4.0
85°	2.0	2.0	2.0	2.0	2.0
87.5°	0.4	0.4	0.4	0.8	0.8



TEST NUMBER: P1289359

CATALOG NUMBER: P3A05R35W2N902765DE010 E3PHLD1MW_5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)