

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: P1289189

Luminaire Tested: P3A05R35W2N902750DE010 E3PHLD1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1289189
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: P3A05R35W2N902750DE010 E3PHLD1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 2700K CCT AND, 90CRI ,
E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

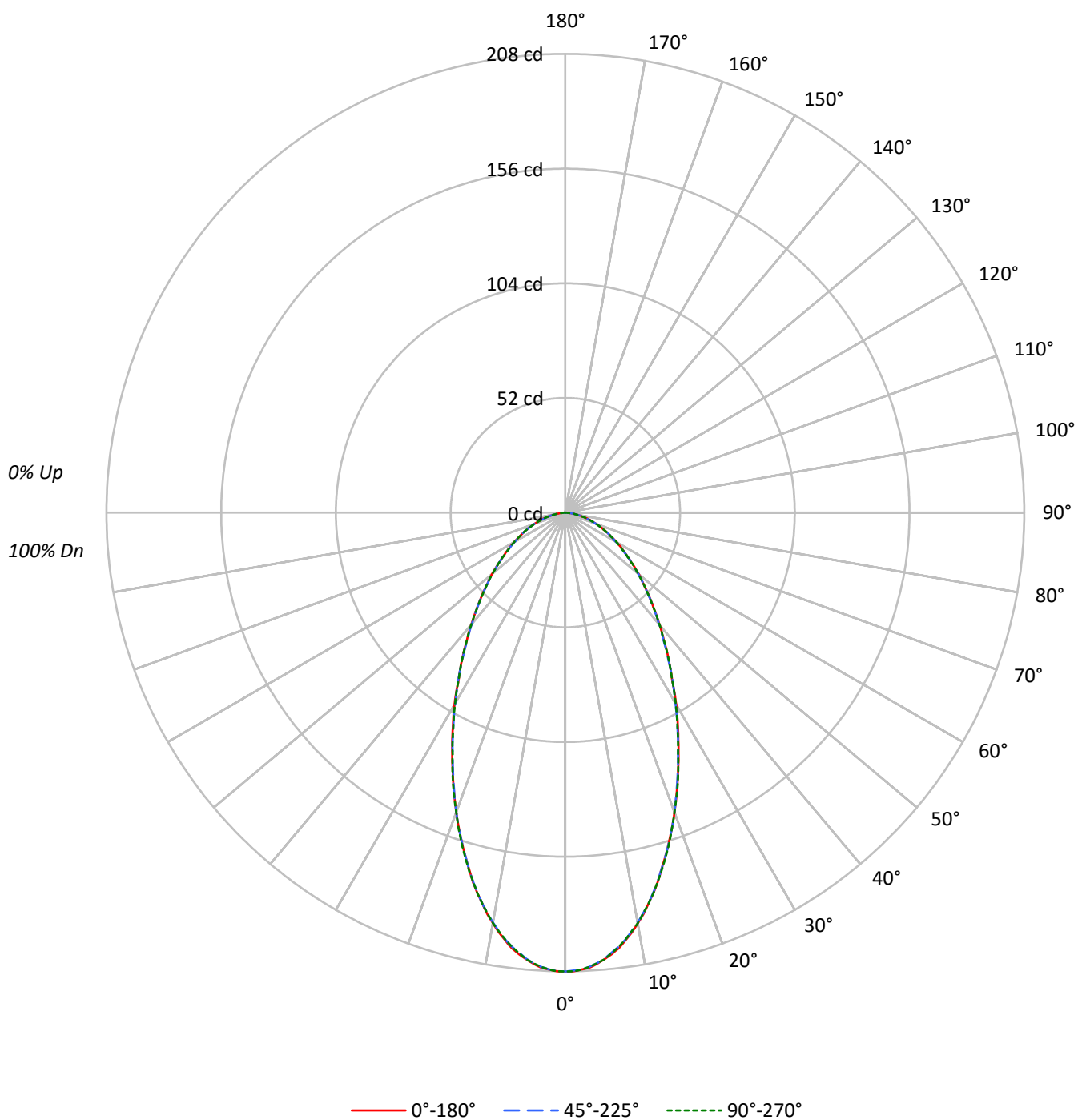
Lumens per Lamp: N/A
Luminaire Lumens: 278.0 lumens
Efficiency: N/A
Efficacy: 47.1 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1289189

CATALOG NUMBER: P3A05R35W2N902750DE010 E3PHLD1MW_2700K

Luminous Intensity Polar Plot



TEST NUMBER: P1289189

CATALOG NUMBER: P3A05R35W2N902750DE010 E3PHLD1MW_2700K

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	65	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		38
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°	45632	45632	45632
5°	44772	44706	44772
10°	42106	42017	42106
15°	38116	38116	38207
20°	33743	33743	33743
25°	29348	29252	29252
30°	25447	25244	25346
35°	21897	21790	21897
40°	19007	18893	19007
45°	16684	16591	16591
50°	14805	14703	14703
55°	13037	13037	13037
60°	11797	11622	11797
65°	10637	10637	10637
70°	9425	9425	9425
75°	8472	8218	8472
80°	7198	7198	7198
85°	4529	4529	4529

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 16684 cd/sqm

TEST NUMBER: P1289189

CATALOG NUMBER: P3A05R35W2N902750DE010 E3PHLD1MW_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.9	6.8
10°-20°	46.8	16.8
20°-30°	55.6	20.0
30°-40°	51.1	18.4
40°-50°	41.5	14.9
50°-60°	30.7	11.1
60°-70°	20.3	7.3
70°-80°	10.5	3.8
80°-90°	2.4	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°	121.4	43.7
0°-40°	172.6	62.1
0°-60°	244.8	88.1
0°-90°	278.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	278.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	208	208	208	208	208	
5°	203	203	203	203	203	19
15°	168	168	168	168	168	47
25°	121	121	121	121	121	56
35°	82	81	81	82	82	51
45°	54	54	54	54	54	42
55°	34	34	34	34	34	31
65°	20	20	20	20	20	20
75°	10	10	10	10	10	11
85°	2	2	2	2	2	2
90°	0	0	0	0	0	

TEST NUMBER: P1289189

CATALOG NUMBER: P3A05R35W2N902750DE010 E3PHLD1MW_2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	208.1	208.1	208.1	208.1	208.1
1°	208.1	207.7	207.7	207.7	208.1
2°	207.4	207.4	207.4	207.4	207.4
3°	206.7	206.3	206.3	206.3	206.3
4°	205.2	204.9	204.9	204.9	204.9
5°	203.4	203.1	203.1	203.1	203.4
6°	201.3	200.9	200.6	200.6	200.9
7°	199.1	198.4	198.4	198.4	198.4
8°	195.9	195.5	195.5	195.5	195.5
9°	192.7	191.9	192.3	192.3	192.3
10°	189.1	188.7	188.7	188.7	189.1
11°	185.5	185.1	185.1	184.8	185.1
12°	181.2	181.2	181.2	181.2	181.2
13°	177.2	176.9	176.9	176.9	177.2
14°	172.9	172.6	172.6	172.6	172.6
15°	167.9	167.9	167.9	167.9	168.3
17.5°	156.4	156.1	156.4	156.4	156.8
20°	144.6	144.2	144.6	144.6	144.6
22.5°	132.7	132.7	132.4	132.7	133.1
25°	121.3	120.9	120.9	121.3	120.9
27.5°	110.5	110.1	110.1	110.1	110.1
30°	100.5	99.7	99.7	100.1	100.1
32.5°	90.1	90.1	90.4	90.1	90.1
35°	81.8	81.4	81.4	81.8	81.8
37.5°	73.6	73.2	73.2	73.6	73.6
40°	66.4	66.4	66.0	66.4	66.4
42.5°	59.6	59.6	59.6	59.6	59.6
45°	53.8	53.5	53.5	53.5	53.5
47.5°	48.1	48.1	48.1	47.7	48.1
50°	43.4	43.1	43.1	43.1	43.1
52.5°	38.4	38.4	38.4	38.4	38.4
55°	34.1	34.1	34.1	34.1	34.1
57.5°	30.5	30.1	30.1	30.1	30.1
60°	26.9	26.9	26.5	26.9	26.9
62.5°	23.3	23.3	23.3	23.3	23.3
65°	20.5	20.5	20.5	20.5	20.5
67.5°	17.6	17.6	17.6	17.6	17.6
70°	14.7	14.7	14.7	14.7	14.7
72.5°	12.6	12.2	12.2	12.2	12.2
75°	10.0	10.0	9.7	10.0	10.0
77.5°	7.5	7.5	7.5	7.5	7.5
80°	5.7	5.7	5.7	5.4	5.7
82.5°	3.6	3.6	3.6	3.6	3.6
85°	1.8	1.8	1.8	1.8	1.8
87.5°	0.4	0.4	0.4	0.7	0.7



TEST NUMBER: P1289189

CATALOG NUMBER: P3A05R35W2N902750DE010 E3PHLD1MW_2700K

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)