

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: P1289191

Luminaire Tested: P3A05R35W2N902750DE010 E3PHLD1MW_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1289191
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_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 3500K CCT AND, 90CRI ,
E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

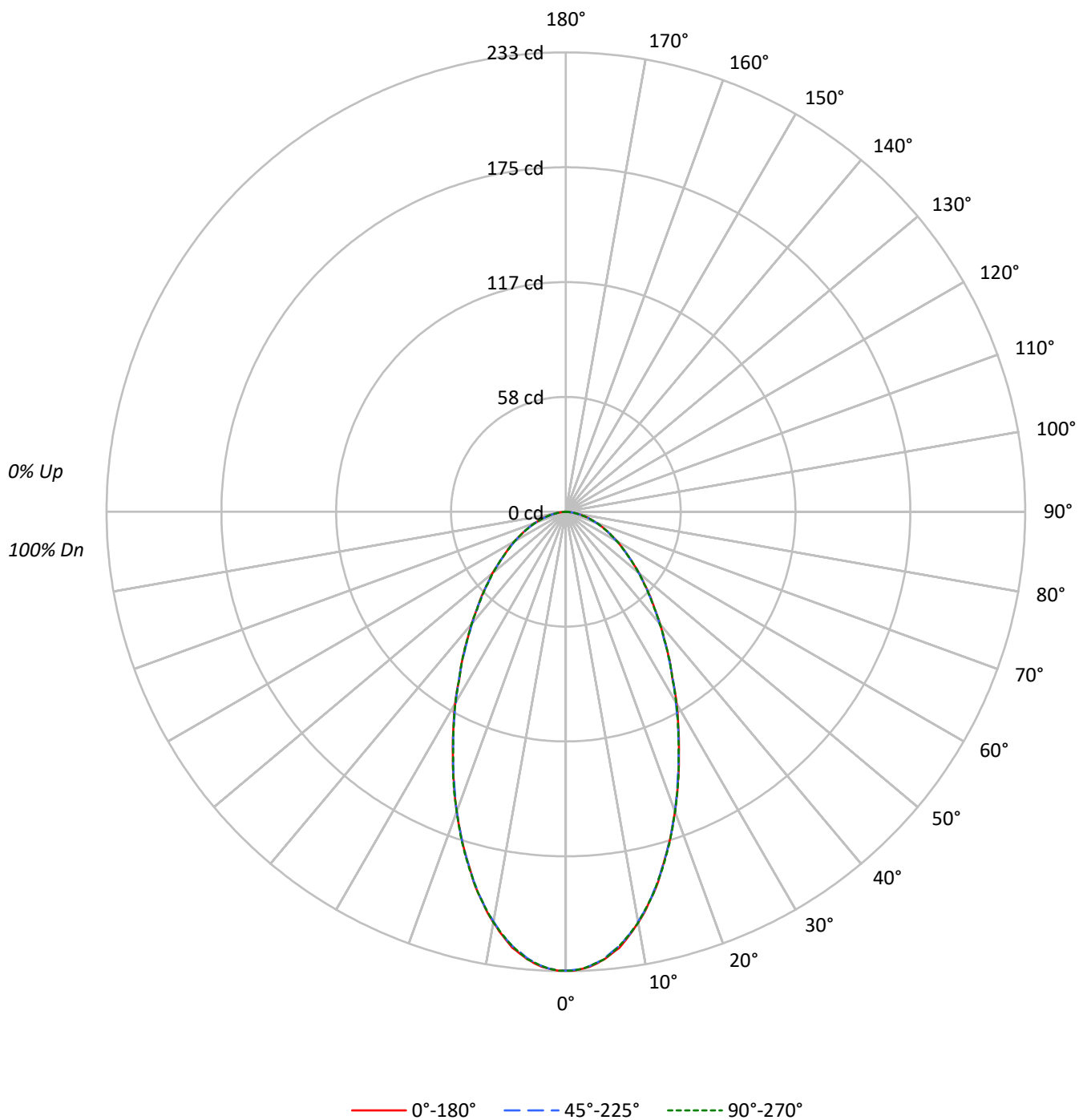
Lumens per Lamp: N/A
Luminaire Lumens: 311.0 lumens
Efficiency: N/A
Efficacy: 52.7 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1289191

CATALOG NUMBER: P3A05R35W2N902750DE010 E3PHLD1MW_3500K

Luminous Intensity Polar Plot



TEST NUMBER: P1289191

CATALOG NUMBER: P3A05R35W2N902750DE010 E3PHLD1MW_3500K

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	50	30	10
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°	51049	51049	51049
5°	50099	50011	50099
10°	47093	47004	47093
15°	42634	42634	42724
20°	37757	37757	37757
25°	32833	32736	32736
30°	28460	28258	28359
35°	24494	24387	24494
40°	21268	21154	21268
45°	18669	18545	18545
50°	16579	16443	16443
55°	14566	14566	14566
60°	13201	13025	13201
65°	11882	11882	11882
70°	10579	10579	10579
75°	9489	9150	9489
80°	8082	8082	8082
85°	5032	5032	5032

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 18669 cd/sqm

TEST NUMBER: P1289191

CATALOG NUMBER: P3A05R35W2N902750DE010 E3PHLD1MW_3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.2	6.8
10°-20°	52.4	16.8
20°-30°	62.3	20.0
30°-40°	57.2	18.4
40°-50°	46.5	14.9
50°-60°	34.4	11.0
60°-70°	22.7	7.3
70°-80°	11.7	3.8
80°-90°	2.6	0.8
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°	135.8	43.7
0°-40°	193.1	62.1
0°-60°	273.9	88.1
0°-90°	311.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	311.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	233	233	233	233	233	
5°	228	227	227	227	228	21
15°	188	188	188	188	188	52
25°	136	135	135	136	135	62
35°	92	91	91	92	92	57
45°	60	60	60	60	60	47
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: P1289191

CATALOG NUMBER: P3A05R35W2N902750DE010 E3PHLD1MW_3500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	232.8	232.8	232.8	232.8	232.8
1°	232.8	232.4	232.4	232.4	232.8
2°	232.0	232.0	232.0	232.0	232.0
3°	231.2	230.8	230.8	230.8	230.8
4°	229.6	229.2	229.2	229.2	229.2
5°	227.6	227.2	227.2	227.2	227.6
6°	225.2	224.8	224.4	224.4	224.8
7°	222.8	222.0	222.0	222.0	222.0
8°	219.1	218.7	218.7	218.7	218.7
9°	215.5	214.7	215.1	215.1	215.1
10°	211.5	211.1	211.1	211.1	211.5
11°	207.5	207.1	207.1	206.7	207.1
12°	202.7	202.7	202.7	202.7	202.7
13°	198.3	197.9	197.9	197.9	198.3
14°	193.5	193.1	193.1	193.1	193.1
15°	187.8	187.8	187.8	187.8	188.2
17.5°	175.0	174.6	175.0	175.0	175.4
20°	161.8	161.4	161.8	161.8	161.8
22.5°	148.5	148.5	148.1	148.5	148.9
25°	135.7	135.3	135.3	135.7	135.3
27.5°	123.6	123.2	123.2	123.2	123.2
30°	112.4	111.6	111.6	112.0	112.0
32.5°	100.7	100.7	101.1	100.7	100.7
35°	91.5	91.1	91.1	91.5	91.5
37.5°	82.3	81.9	81.9	82.3	82.3
40°	74.3	74.3	73.9	74.3	74.3
42.5°	66.6	66.6	66.6	66.6	66.6
45°	60.2	59.8	59.8	59.8	59.8
47.5°	53.8	53.8	53.8	53.4	53.8
50°	48.6	48.2	48.2	48.2	48.2
52.5°	42.9	42.9	42.9	42.9	42.9
55°	38.1	38.1	38.1	38.1	38.1
57.5°	34.1	33.7	33.7	33.7	33.7
60°	30.1	30.1	29.7	30.1	30.1
62.5°	26.1	26.1	26.1	26.1	26.1
65°	22.9	22.9	22.9	22.9	22.9
67.5°	19.7	19.7	19.7	19.7	19.7
70°	16.5	16.5	16.5	16.5	16.5
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: P1289191

CATALOG NUMBER: P3A05R35W2N902750DE010 E3PHLD1MW_3500K

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)