

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: P1296788

Luminaire Tested: P3A13R35W2N902750DE010 E3PHLP1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1296788
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R35W2N902750DE010 E3PHLP1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 5000K CCT AND, 90CRI ,
E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

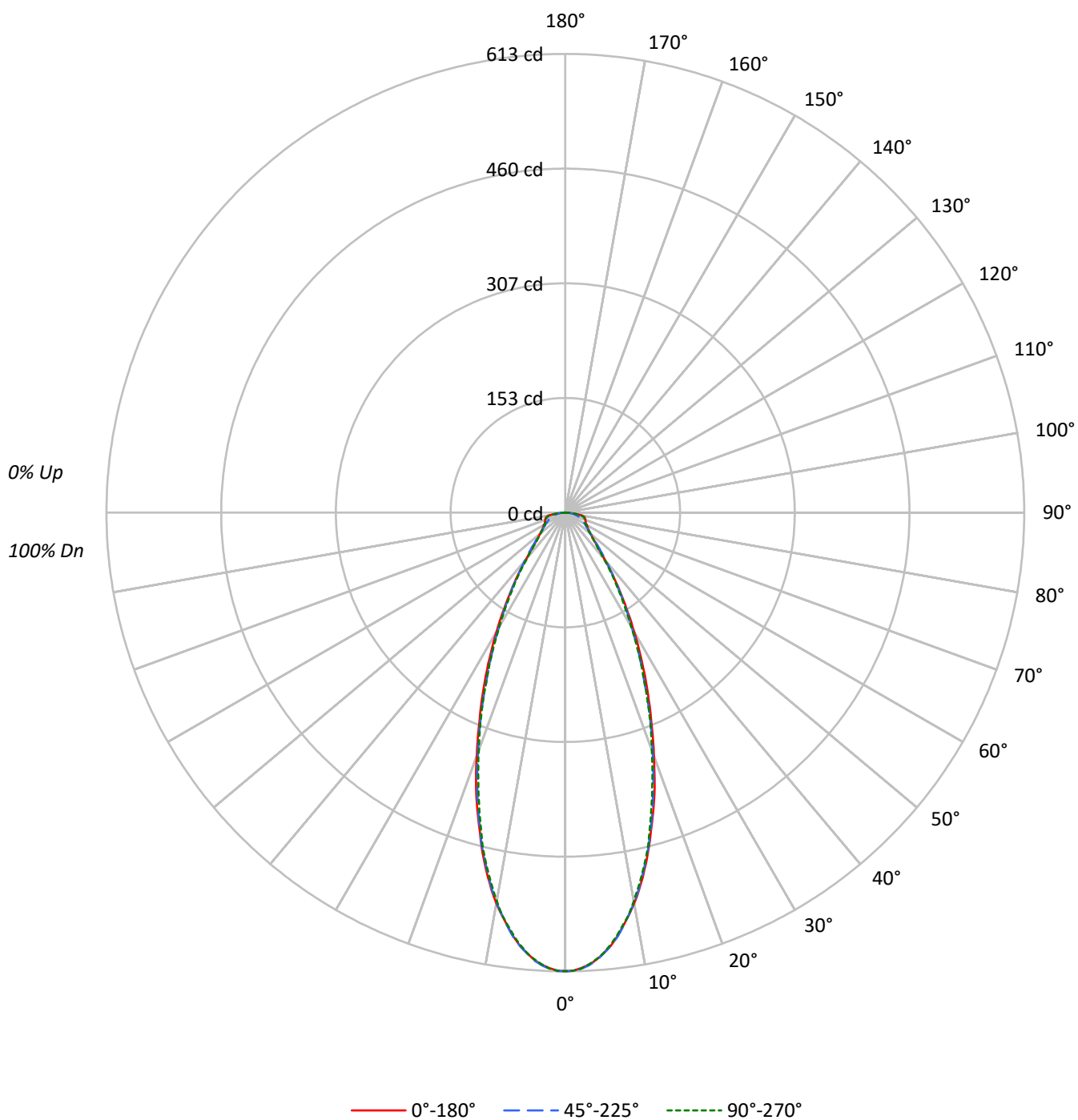
Lumens per Lamp: N/A
Luminaire Lumens: 507.0 lumens
Efficiency: N/A
Efficacy: 41.2 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 12.3
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

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Luminous Intensity Polar Plot



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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	111	107	104	101	109	105	102	99	101	99	96		97	95	93		94	92	91	89
2	104	98	92	88	101	96	91	87	92	88	85		89	86	83		86	84	81	79
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80	77	74	72
4	92	82	75	70	90	81	75	70	79	73	69		77	72	68		75	71	67	65
5	86	76	69	64	84	75	69	64	73	68	63		72	67	63		70	65	62	60
6	82	71	64	59	80	70	64	59	69	63	58		67	62	58		66	61	57	56
7	77	66	60	55	76	66	59	54	64	58	54		63	58	54		62	57	54	52
8	73	62	56	51	72	62	55	51	61	55	51		60	54	50		59	54	50	49
9	70	59	52	48	68	58	52	48	57	52	47		56	51	47		55	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45		53	48	45		53	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	134375	134375	134375
5°	129958	130134	129958
10°	118056	117878	117366
15°	100228	99864	99002
20°	80694	79597	78874
25°	62375	60512	60512
30°	46513	44944	44564
35°	33462	33060	32230
40°	23415	24074	22528
45°	17459	18421	16994
50°	15010	15010	14737
55°	14145	13572	13878
60°	14560	13201	13859
65°	15618	13231	15203
70°	18336	13848	17824
75°	22875	14403	22198
80°	29297	15532	26266
85°	23398	15599	23398

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 29297 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.4	10.7
10°-20°	121.5	24.0
20°-30°	116.0	22.9
30°-40°	77.9	15.4
40°-50°	45.7	9.0
50°-60°	32.7	6.5
60°-70°	27.2	5.4
70°-80°	22.3	4.4
80°-90°	9.2	1.8
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°	291.9	57.6
0°-40°	369.8	72.9
0°-60°	448.2	88.4
0°-90°	507.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	507.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	613	613	613	613	613	
5°	590	592	591	590	590	54
15°	442	442	440	437	436	122
25°	258	255	250	250	250	118
35°	125	125	124	121	120	79
45°	56	58	59	56	55	45
55°	37	36	36	36	36	34
65°	30	27	26	27	29	30
75°	27	21	17	21	26	28
85°	9	10	6	10	9	11
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	612.8	612.8	612.8	612.8	612.8
1°	612.0	612.8	612.8	612.0	612.0
2°	608.9	610.5	609.7	608.9	609.7
3°	605.1	606.6	605.8	605.1	604.3
4°	598.9	600.4	599.7	598.1	598.1
5°	590.4	591.9	591.2	590.4	590.4
6°	581.9	583.5	581.9	580.4	580.4
7°	570.3	572.7	571.1	569.6	568.8
8°	557.2	559.5	558.0	557.2	555.7
9°	544.1	545.6	543.3	543.3	543.3
10°	530.2	531.0	529.4	527.1	527.1
11°	514.8	514.0	513.2	511.7	510.1
12°	497.8	497.8	495.5	493.9	493.2
13°	480.0	479.3	477.7	476.2	476.2
14°	461.5	461.5	460.0	456.9	457.7
15°	441.5	442.2	439.9	436.8	436.1
17.5°	395.9	394.4	390.5	388.2	385.9
20°	345.8	345.0	341.1	338.8	338.0
22.5°	299.4	298.7	294.8	292.5	294.0
25°	257.8	254.7	250.1	250.1	250.1
27.5°	219.2	215.3	212.2	210.7	212.2
30°	183.7	180.6	177.5	176.7	176.0
32.5°	152.0	150.5	149.0	146.6	146.6
35°	125.0	125.0	123.5	121.2	120.4
37.5°	101.9	102.6	101.9	99.6	98.8
40°	81.8	83.4	84.1	81.8	78.7
42.5°	67.1	69.5	71.0	67.1	64.8
45°	56.3	57.9	59.4	56.3	54.8
47.5°	49.4	50.2	50.9	48.6	47.8
50°	44.0	44.0	44.0	43.2	43.2
52.5°	40.1	40.1	39.4	38.6	38.6
55°	37.0	36.3	35.5	35.5	36.3
57.5°	34.7	34.0	32.4	33.2	34.0
60°	33.2	31.6	30.1	30.9	31.6
62.5°	30.9	29.3	27.8	28.6	30.1
65°	30.1	27.0	25.5	27.0	29.3
67.5°	29.3	25.5	23.2	25.5	28.6
70°	28.6	23.9	21.6	23.9	27.8
72.5°	27.8	22.4	19.3	22.4	27.0
75°	27.0	20.8	17.0	20.8	26.2
77.5°	25.5	19.3	14.7	19.3	23.9
80°	23.2	17.8	12.3	17.0	20.8
82.5°	17.0	14.7	10.0	14.7	15.4
85°	9.3	10.0	6.2	10.0	9.3
87.5°	0.8	1.5	1.5	4.6	3.1



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)