

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: P1295457

Luminaire Tested: P3A13R15W2N902750DE010 E3PHLD1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1295457
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R15W2N902750DE010 E3PHLD1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 2700K CCT AND, 90CRI ,
E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

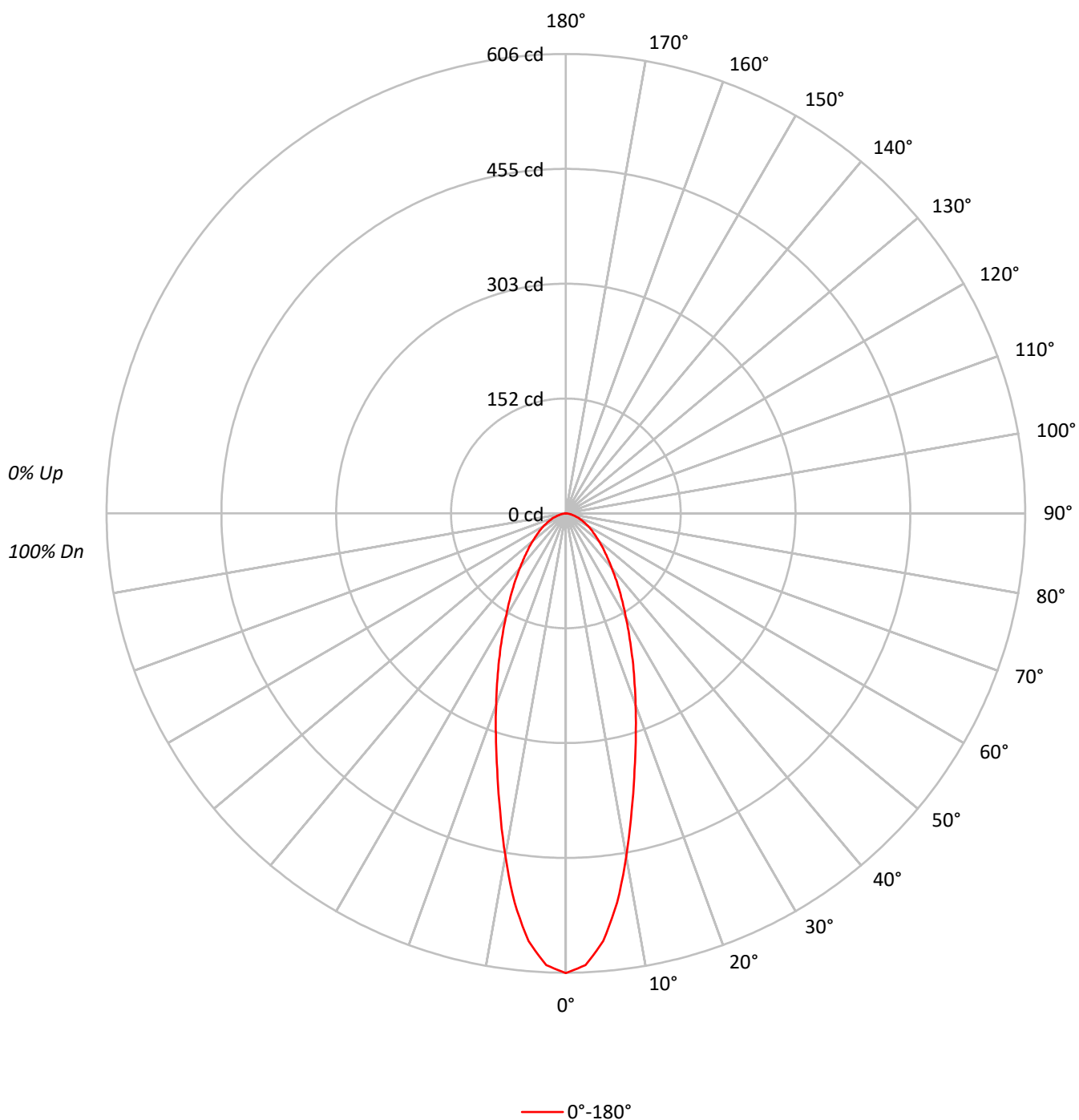
Lumens per Lamp: N/A
Luminaire Lumens: 457.0 lumens
Efficiency: N/A
Efficacy: 37.2 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.66
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	112	108	105	102		109	106	103	101		102	100	97		98	96	95		95	93	92		90			
2	104	98	93	89		102	97	92	88		93	89	86		90	87	84		87	85	82		80			
3	98	90	84	79		96	88	83	78		85	81	77		83	79	75		81	77	74		72			
4	92	82	76	70		90	81	75	70		79	73	69		77	72	68		75	71	67		66			
5	86	76	69	64		84	75	68	63		73	67	63		71	66	62		70	65	62		60			
6	81	71	63	58		79	70	63	58		68	62	58		67	61	57		65	60	57		55			
7	77	66	59	54		75	65	58	54		64	58	53		62	57	53		61	56	53		51			
8	72	61	55	50		71	61	54	50		60	54	49		59	53	49		58	53	49		47			
9	69	58	51	47		68	57	51	46		56	50	46		55	50	46		54	49	46		44			
10	65	54	48	44		64	54	48	44		53	47	43		52	47	43		52	47	43		42			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	132994
5°	124675
10°	102225
15°	79433
20°	62702
25°	49963
30°	40107
35°	32739
40°	26965
45°	22700
50°	19479
55°	16860
60°	14955
65°	13023
70°	11540
75°	9320
80°	7577
85°	5032

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 22700 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.6	11.1
10°-20°	98.0	21.4
20°-30°	95.2	20.8
30°-40°	77.0	16.8
40°-50°	57.2	12.5
50°-60°	39.9	8.7
60°-70°	25.0	5.5
70°-80°	11.9	2.6
80°-90°	2.2	0.5
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°	243.8	53.4
0°-40°	320.8	70.2
0°-60°	417.9	91.4
0°-90°	457.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	457.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	606	
5°	566	51
15°	350	98
25°	206	95
35°	122	77
45°	73	57
55°	44	40
65°	25	25
75°	11	12
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	606.5
2.5°	596.5
5°	566.4
7.5°	518.3
10°	459.1
12.5°	401.0
15°	349.9
17.5°	306.7
20°	268.7
22.5°	235.6
25°	206.5
27.5°	180.4
30°	158.4
32.5°	139.3
35°	122.3
37.5°	107.3
40°	94.2
42.5°	83.2
45°	73.2
47.5°	65.2
50°	57.1
52.5°	50.1
55°	44.1
57.5°	39.1
60°	34.1
62.5°	29.1
65°	25.1
67.5°	21.1
70°	18.0
72.5°	14.0
75°	11.0
77.5°	8.0
80°	6.0
82.5°	3.0
85°	2.0
87.5°	0.0
90°	0.0

(END OF REPORT)