

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: P1295780

Luminaire Tested: P3A13R20W2N902750DE010 E3PHLD1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1295780
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R20W2N902750DE010 E3PHLD1MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 3000K CCT AND, 90CRI ,
E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

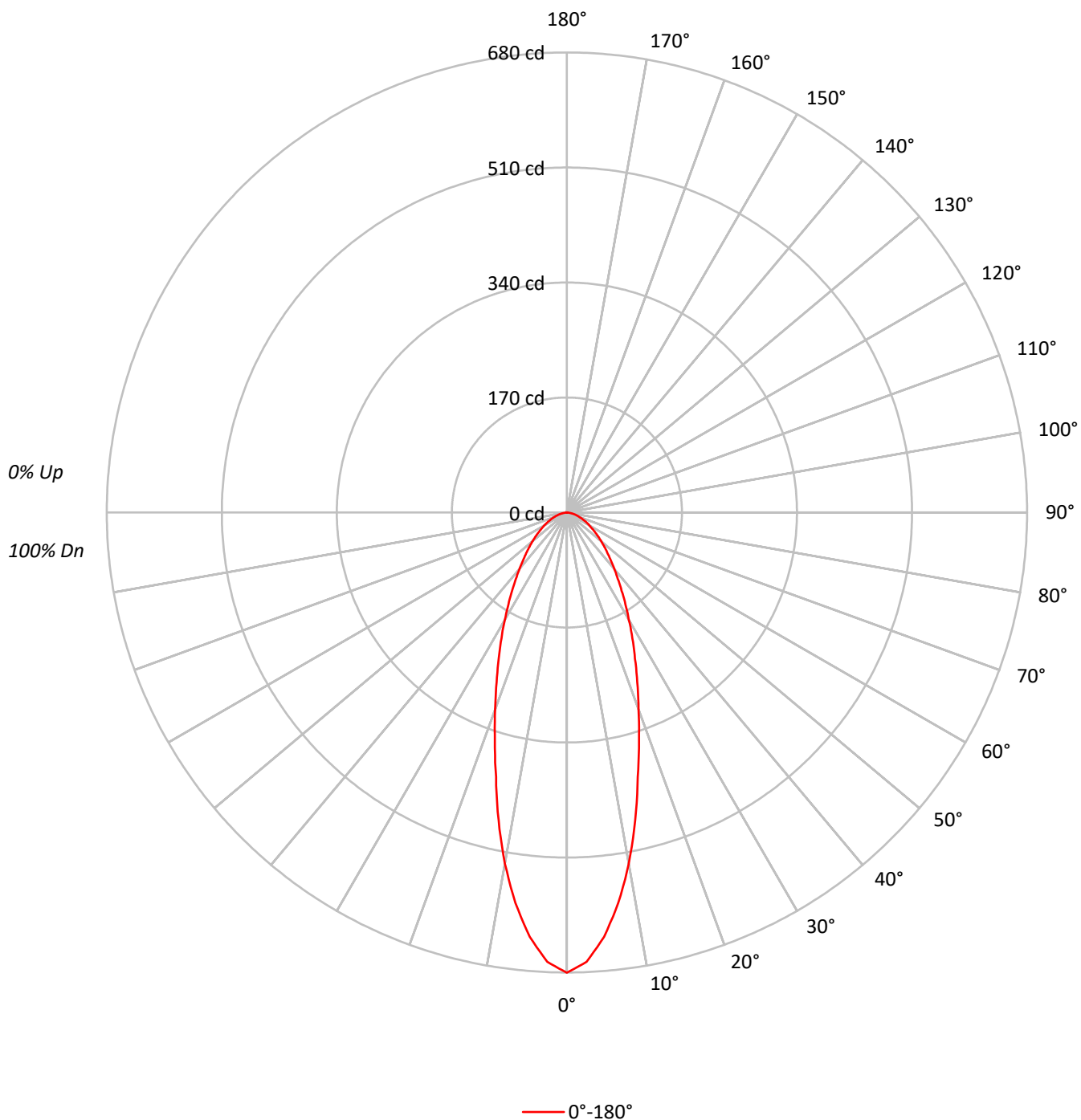
Lumens per Lamp: N/A
Luminaire Lumens: 526.0 lumens
Efficiency: N/A
Efficacy: 42.8 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1295780

CATALOG NUMBER: P3A13R20W2N902750DE010 E3PHLD1MW_3000K

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	96	92	88	93	89	86		90	87	84		87	85	82	80
3	98	90	83	78	95	88	82	78	85	81	77		83	79	75		80	77	74	72
4	92	82	75	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	70	63	58	79	70	63	58	68	62	58		66	61	57		65	60	57	55
7	76	66	59	54	75	65	58	53	64	58	53		62	57	53		61	56	53	51
8	72	61	54	50	71	61	54	50	60	54	49		58	53	49		57	53	49	47
9	69	58	51	46	67	57	51	46	56	50	46		55	50	46		54	49	46	44
10	65	54	48	43	64	54	48	43	53	47	43		52	47	43		51	46	43	41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	149177
5°	138586
10°	117344
15°	91851
20°	72293
25°	57632
30°	46336
35°	37771
40°	31259
45°	26328
50°	22583
55°	19383
60°	16928
65°	14891
70°	12694
75°	11184
80°	8334
85°	5535

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 26328 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.8	10.8
10°-20°	113.3	21.5
20°-30°	110.0	20.9
30°-40°	88.9	16.9
40°-50°	66.1	12.6
50°-60°	45.9	8.7
60°-70°	28.8	5.5
70°-80°	13.9	2.6
80°-90°	2.4	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°	280.1	53.3
0°-40°	369.0	70.2
0°-60°	480.9	91.4
0°-90°	526.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	526.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	680	
5°	630	57
15°	405	113
25°	238	110
35°	141	89
45°	85	66
55°	51	46
65°	29	29
75°	13	14
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	680.3
2.5°	664.8
5°	629.6
7.5°	582.2
10°	527.0
12.5°	466.4
15°	404.6
17.5°	353.9
20°	309.8
22.5°	271.2
25°	238.2
27.5°	209.5
30°	183.0
32.5°	161.0
35°	141.1
37.5°	123.5
40°	109.2
42.5°	95.9
45°	84.9
47.5°	75.0
50°	66.2
52.5°	58.4
55°	50.7
57.5°	44.1
60°	38.6
62.5°	34.2
65°	28.7
67.5°	24.3
70°	19.8
72.5°	16.5
75°	13.2
77.5°	9.9
80°	6.6
82.5°	3.3
85°	2.2
87.5°	0.0
90°	0.0

(END OF REPORT)