

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: P1295782

Luminaire Tested: P3A13R20W2N902750DE010 E3PHLD1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1295782
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_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 4000K CCT AND, 90CRI ,
E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

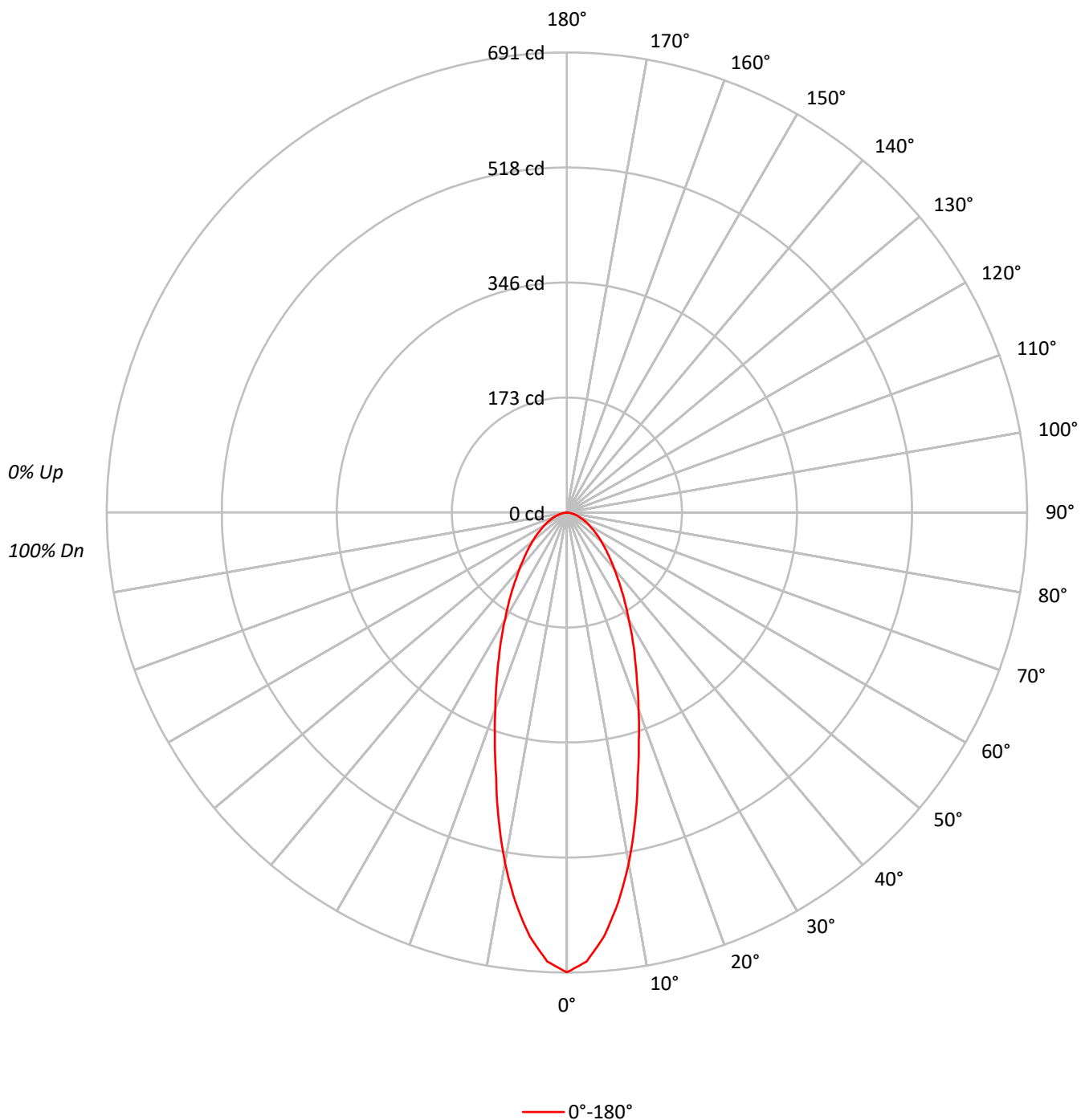
Lumens per Lamp: N/A
Luminaire Lumens: 534.0 lumens
Efficiency: N/A
Efficacy: 43.4 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1295782

CATALOG NUMBER: P3A13R20W2N902750DE010 E3PHLD1MW_4000K

Luminous Intensity Polar Plot



TEST NUMBER: P1295782

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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°	151435
5°	140678
10°	119125
15°	93258
20°	73390
25°	58503
30°	47045
35°	38360
40°	31717
45°	26731
50°	22925
55°	19689
60°	17192
65°	15099
70°	12887
75°	11353
80°	8461
85°	5535

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 26731 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.7	10.8
10°-20°	115.0	21.5
20°-30°	111.7	20.9
30°-40°	90.2	16.9
40°-50°	67.1	12.6
50°-60°	46.6	8.7
60°-70°	29.2	5.5
70°-80°	14.2	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°	284.4	53.3
0°-40°	374.6	70.2
0°-60°	488.3	91.4
0°-90°	534.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	534.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	691	
5°	639	58
15°	411	115
25°	242	112
35°	143	90
45°	86	67
55°	52	47
65°	29	29
75°	13	14
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	690.6
2.5°	675.0
5°	639.1
7.5°	591.0
10°	535.0
12.5°	473.5
15°	410.8
17.5°	359.3
20°	314.5
22.5°	275.4
25°	241.8
27.5°	212.7
30°	185.8
32.5°	163.4
35°	143.3
37.5°	125.4
40°	110.8
42.5°	97.4
45°	86.2
47.5°	76.1
50°	67.2
52.5°	59.3
55°	51.5
57.5°	44.8
60°	39.2
62.5°	34.7
65°	29.1
67.5°	24.6
70°	20.1
72.5°	16.8
75°	13.4
77.5°	10.1
80°	6.7
82.5°	3.4
85°	2.2
87.5°	0.0
90°	0.0

(END OF REPORT)