

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: P1295788

Luminaire Tested: P3A13R20W2N902750DE010 E3PHLP1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1295788
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R20W2N902750DE010 E3PHLP1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 90CRI ,
E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

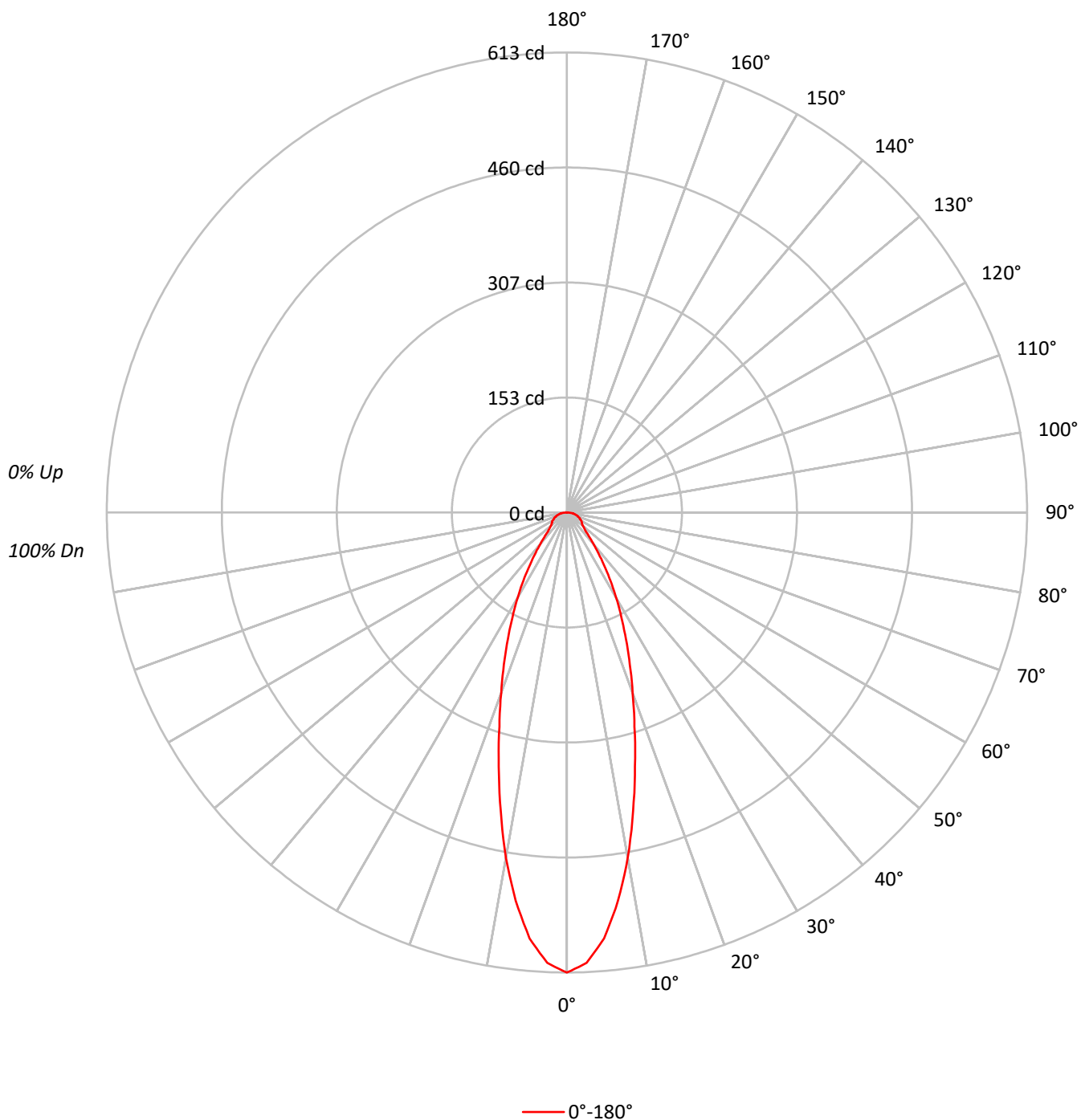
Lumens per Lamp: N/A
Luminaire Lumens: 378.0 lumens
Efficiency: N/A
Efficacy: 30.7 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.63
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	85	83	81
3	99	91	85	80	97	90	84	80	87	82	78		84	80	77		82	79	76	74
4	93	84	78	73	91	83	77	73	81	76	72		79	74	71		77	73	70	68
5	88	79	72	67	86	78	71	67	76	70	66		74	69	66		72	68	65	63
6	84	74	67	62	82	73	66	62	71	66	61		70	65	61		68	64	61	59
7	79	69	63	58	78	68	62	58	67	62	57		66	61	57		65	60	57	55
8	76	65	59	54	74	65	58	54	64	58	54		62	57	54		61	57	53	52
9	72	62	55	51	71	61	55	51	60	55	51		59	54	51		58	54	50	49
10	69	59	52	48	68	58	52	48	57	52	48		57	52	48		56	51	48	46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	134419
5°	125379
10°	104051
15°	79546
20°	59715
25°	44954
30°	33246
35°	23236
40°	15916
45°	11040
50°	9484
55°	9366
60°	9780
65°	9806
70°	10002
75°	10336
80°	11239
85°	11322

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 13104 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.0	13.5
10°-20°	97.4	25.8
20°-30°	85.7	22.7
30°-40°	55.3	14.6
40°-50°	29.3	7.8
50°-60°	22.1	5.8
60°-70°	18.7	5.0
70°-80°	13.2	3.5
80°-90°	5.2	1.4
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°	234.2	62.0
0°-40°	289.5	76.6
0°-60°	340.9	90.2
0°-90°	378.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	378.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	613	
5°	570	51
15°	350	97
25°	186	86
35°	87	55
45°	36	29
55°	24	22
65°	19	19
75°	12	13
85°	4	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	613.0
2.5°	600.8
5°	569.6
7.5°	521.8
10°	467.3
12.5°	407.2
15°	350.4
17.5°	299.3
20°	255.9
22.5°	219.2
25°	185.8
27.5°	156.9
30°	131.3
32.5°	107.9
35°	86.8
37.5°	70.1
40°	55.6
42.5°	44.5
45°	35.6
47.5°	31.2
50°	27.8
52.5°	25.6
55°	24.5
57.5°	23.4
60°	22.3
62.5°	20.0
65°	18.9
67.5°	17.8
70°	15.6
72.5°	14.5
75°	12.2
77.5°	11.1
80°	8.9
82.5°	7.8
85°	4.5
87.5°	2.2
90°	0.0

(END OF REPORT)