

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: P1295942

Luminaire Tested: P3A13R20W2N902765DE010 E3PHLP1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1295942
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: P3A13R20W2N902765DE010 E3PHLP1MW_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 4000K CCT AND, 90CRI ,
E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

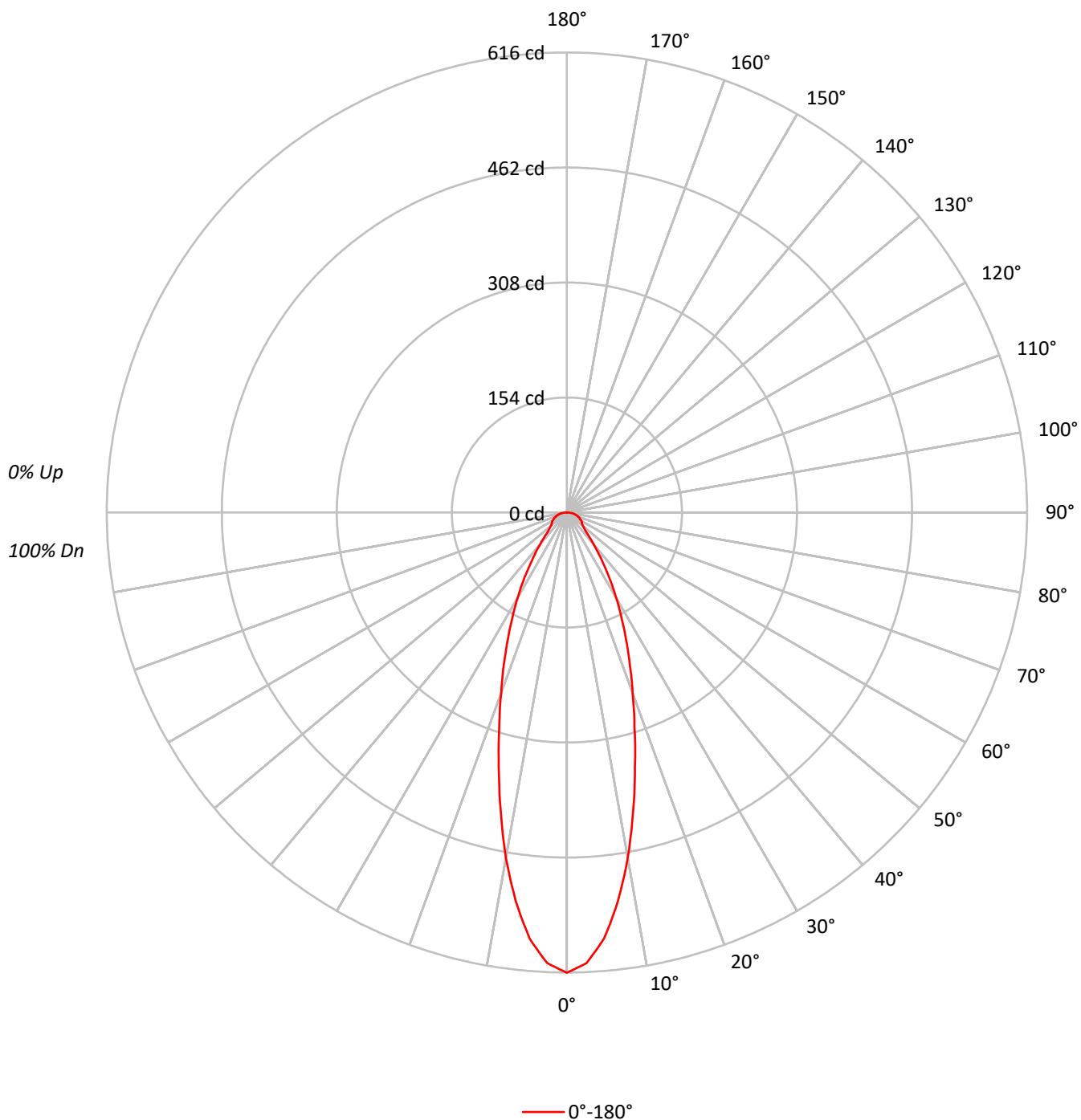
Lumens per Lamp: N/A
Luminaire Lumens: 380.0 lumens
Efficiency: N/A
Efficacy: 30.9 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.63
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1295942

CATALOG NUMBER: P3A13R20W2N902765DE010 E3PHLP1MW_4000K

Luminous Intensity Polar Plot



TEST NUMBER: P1295942

CATALOG NUMBER: P3A13R20W2N902765DE010 E3PHLP1MW_4000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	108	105	102	109	106	103	101	102	100	97		98	96	95		95
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88
3	99	91	85	80	97	90	84	80	87	82	78		84	80	77		82
4	93	84	78	73	91	83	77	73	81	76	72		79	74	71		77
5	88	79	72	67	86	78	71	67	76	70	66		74	69	66		72
6	84	74	67	62	82	73	66	62	71	66	61		70	65	61		68
7	79	69	63	58	78	68	62	58	67	62	57		66	61	57		65
8	76	65	59	54	74	65	58	54	64	58	54		62	57	54		61
9	72	62	55	51	71	61	55	51	60	55	51		59	54	51		58
10	69	59	52	48	68	58	52	48	57	52	48		57	52	48		56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	135143
5°	126040
10°	104585
15°	79978
20°	60019
25°	45196
30°	33423
35°	23343
40°	16001
45°	11102
50°	9552
55°	9405
60°	9824
65°	9858
70°	10066
75°	10421
80°	11239
85°	11322

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 13104 cd/sqm

TEST NUMBER: P1295942

CATALOG NUMBER: P3A13R20W2N902765DE010 E3PHLP1MW_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.3	13.5
10°-20°	98.0	25.8
20°-30°	86.2	22.7
30°-40°	55.6	14.6
40°-50°	29.5	7.8
50°-60°	22.2	5.8
60°-70°	18.8	5.0
70°-80°	13.3	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°	235.4	62.0
0°-40°	291.1	76.6
0°-60°	342.7	90.2
0°-90°	380.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	380.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	616	
5°	573	51
15°	352	98
25°	187	86
35°	87	56
45°	36	29
55°	25	22
65°	19	19
75°	12	13
85°	4	5
90°	0	



TEST NUMBER: P1295942

CATALOG NUMBER: P3A13R20W2N902765DE010 E3PHLP1MW_4000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	616.3
2.5°	603.9
5°	572.6
7.5°	524.5
10°	469.7
12.5°	409.3
15°	352.3
17.5°	300.9
20°	257.2
22.5°	220.3
25°	186.8
27.5°	157.7
30°	132.0
32.5°	108.5
35°	87.2
37.5°	70.5
40°	55.9
42.5°	44.7
45°	35.8
47.5°	31.3
50°	28.0
52.5°	25.7
55°	24.6
57.5°	23.5
60°	22.4
62.5°	20.1
65°	19.0
67.5°	17.9
70°	15.7
72.5°	14.5
75°	12.3
77.5°	11.2
80°	8.9
82.5°	7.8
85°	4.5
87.5°	2.2
90°	0.0

(END OF REPORT)