

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: P1288354

Luminaire Tested: P3A05R20W2N902765DE010 E3PHLP1MW_6500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1288354
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: P3A05R20W2N902765DE010 E3PHLP1MW_6500K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 6500K CCT AND, 90CRI ,
E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

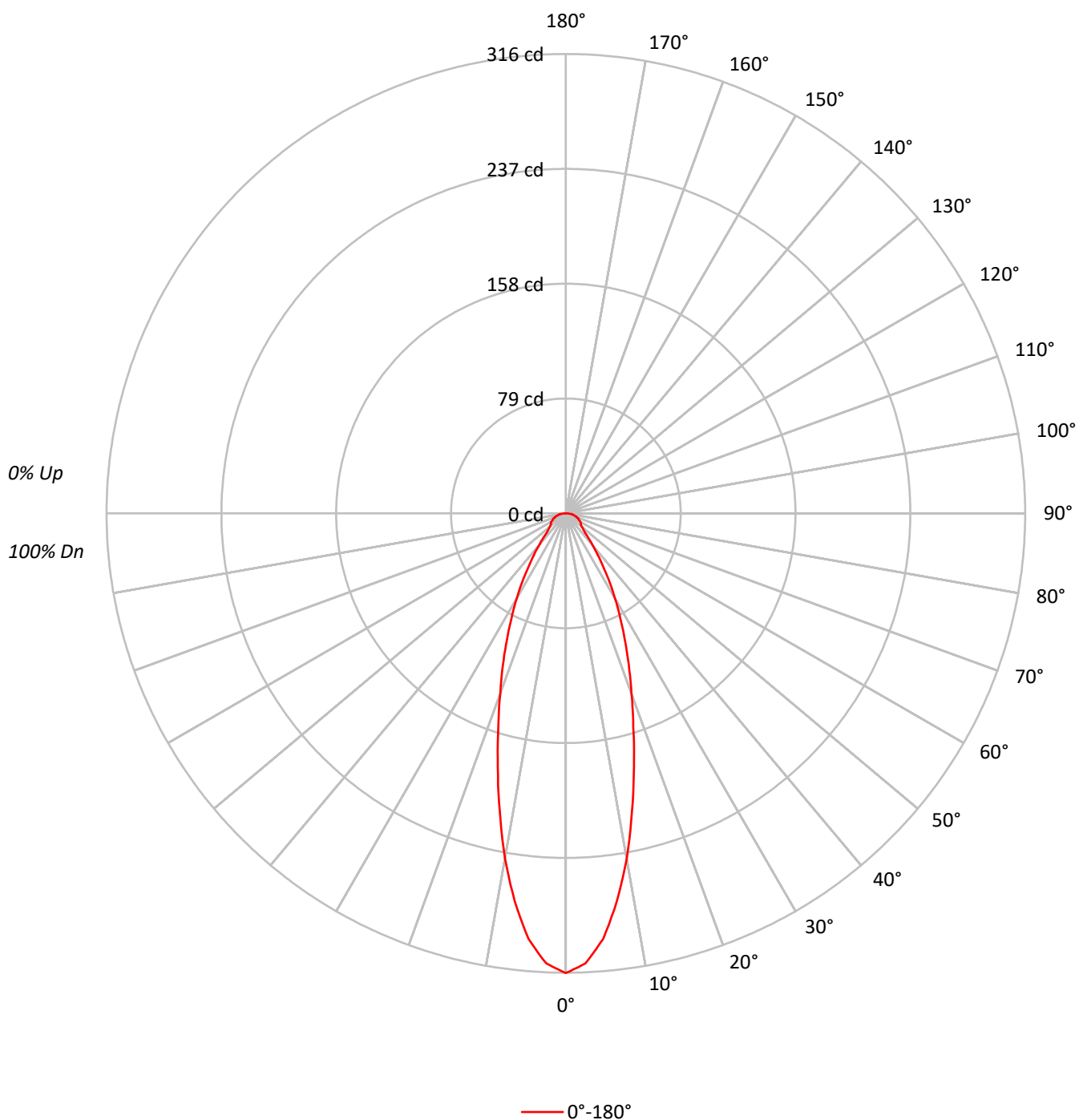
Lumens per Lamp: N/A
Luminaire Lumens: 195.0 lumens
Efficiency: N/A
Efficacy: 33.1 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.63
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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: P1288354

CATALOG NUMBER: P3A05R20W2N902765DE010 E3PHLP1MW_6500K

Luminous Intensity Polar Plot



TEST NUMBER: P1288354

CATALOG NUMBER: P3A05R20W2N902765DE010 E3PHLP1MW_6500K

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°	69337
5°	64693
10°	53662
15°	41045
20°	30803
25°	23179
30°	17142
35°	11993
40°	8215
45°	5706
50°	4878
55°	4817
60°	5043
65°	5085
70°	5129
75°	5338
80°	5809
85°	5787

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 6720 cd/sqm

TEST NUMBER: P1288354

CATALOG NUMBER: P3A05R20W2N902765DE010 E3PHLP1MW_6500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.3	13.5
10°-20°	50.3	25.8
20°-30°	44.2	22.7
30°-40°	28.6	14.6
40°-50°	15.1	7.8
50°-60°	11.4	5.8
60°-70°	9.7	5.0
70°-80°	6.8	3.5
80°-90°	2.6	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°	120.8	62.0
0°-40°	149.4	76.6
0°-60°	175.9	90.2
0°-90°	195.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	195.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	316	
5°	294	26
15°	181	50
25°	96	44
35°	45	29
45°	18	15
55°	13	11
65°	10	10
75°	6	7
85°	2	3
90°	0	



TEST NUMBER: P1288354

CATALOG NUMBER: P3A05R20W2N902765DE010 E3PHLP1MW_6500K

CANDELA DISTRIBUTION (FULL):

0°	
0°	316.2
2.5°	309.9
5°	293.9
7.5°	269.2
10°	241.0
12.5°	210.1
15°	180.8
17.5°	154.4
20°	132.0
22.5°	113.1
25°	95.8
27.5°	80.9
30°	67.7
32.5°	55.7
35°	44.8
37.5°	36.2
40°	28.7
42.5°	23.0
45°	18.4
47.5°	16.1
50°	14.3
52.5°	13.2
55°	12.6
57.5°	12.1
60°	11.5
62.5°	10.3
65°	9.8
67.5°	9.2
70°	8.0
72.5°	7.5
75°	6.3
77.5°	5.7
80°	4.6
82.5°	4.0
85°	2.3
87.5°	1.1
90°	0.0

(END OF REPORT)