

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: P1288345

Luminaire Tested: P3A05R20W2N902765DE010 E3PHLD1MW_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1288345
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: P3A05R20W2N902765DE010 E3PHLD1MW_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 3500K CCT AND, 90CRI ,
E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

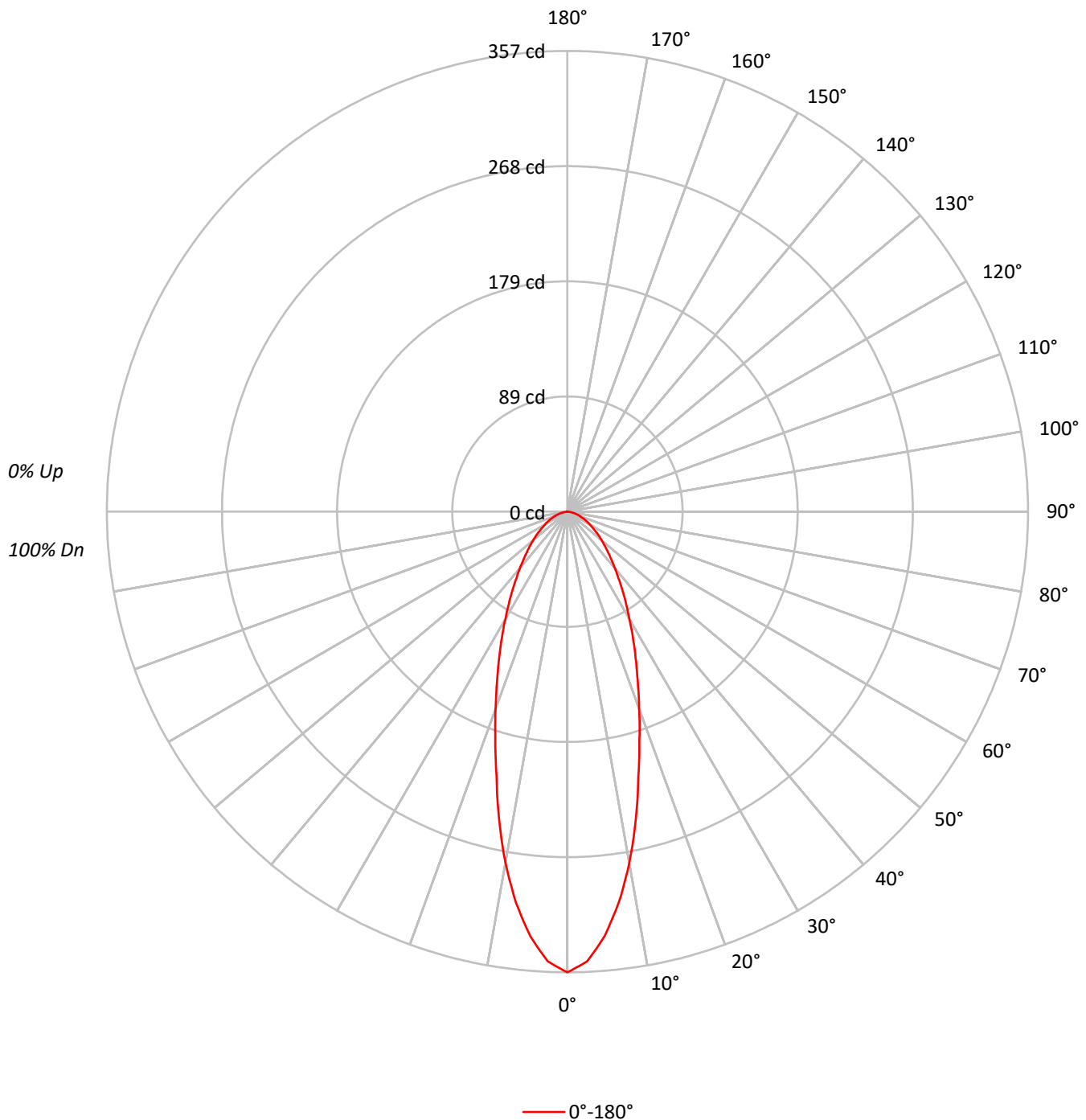
Lumens per Lamp: N/A
Luminaire Lumens: 275.9 lumens
Efficiency: N/A
Efficacy: 46.8 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1288345

CATALOG NUMBER: P3A05R20W2N902765DE010 E3PHLD1MW_3500K

Luminous Intensity Polar Plot



TEST NUMBER: P1288345

CATALOG NUMBER: P3A05R20W2N902765DE010 E3PHLD1MW_3500K

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	96	88	82	78	85	81	77		83	79	75		81	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	42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	78283
5°	72705
10°	61566
15°	48196
20°	37943
25°	30244
30°	24308
35°	19836
40°	16402
45°	13800
50°	11838
55°	10169
60°	8859
65°	7783
70°	6668
75°	5846
80°	4420
85°	3019

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13800 cd/sqm

TEST NUMBER: P1288345

CATALOG NUMBER: P3A05R20W2N902765DE010 E3PHLD1MW_3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.8	10.8
10°-20°	59.4	21.5
20°-30°	57.7	20.9
30°-40°	46.6	16.9
40°-50°	34.6	12.6
50°-60°	24.1	8.7
60°-70°	15.0	5.5
70°-80°	7.3	2.6
80°-90°	1.3	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°	147.0	53.3
0°-40°	193.6	70.2
0°-60°	252.3	91.4
0°-90°	275.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	275.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	357	
5°	330	30
15°	212	59
25°	125	58
35°	74	47
45°	44	35
55°	27	24
65°	15	15
75°	7	7
85°	1	1
90°	0	

TEST NUMBER: P1288345

CATALOG NUMBER: P3A05R20W2N902765DE010 E3PHLD1MW_3500K

CANDELA DISTRIBUTION (FULL):

0°	
0°	357.0
2.5°	348.9
5°	330.3
7.5°	305.5
10°	276.5
12.5°	244.7
15°	212.3
17.5°	185.7
20°	162.6
22.5°	142.3
25°	125.0
27.5°	109.9
30°	96.0
32.5°	84.5
35°	74.1
37.5°	64.8
40°	57.3
42.5°	50.3
45°	44.5
47.5°	39.3
50°	34.7
52.5°	30.7
55°	26.6
57.5°	23.1
60°	20.2
62.5°	17.9
65°	15.0
67.5°	12.7
70°	10.4
72.5°	8.7
75°	6.9
77.5°	5.2
80°	3.5
82.5°	1.7
85°	1.2
87.5°	0.0
90°	0.0

(END OF REPORT)