

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: P1288348

Luminaire Tested: P3A05R20W2N902765DE010 E3PHLD1MW_6500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1288348
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_6500K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 6500K CCT AND, 90CRI ,
E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

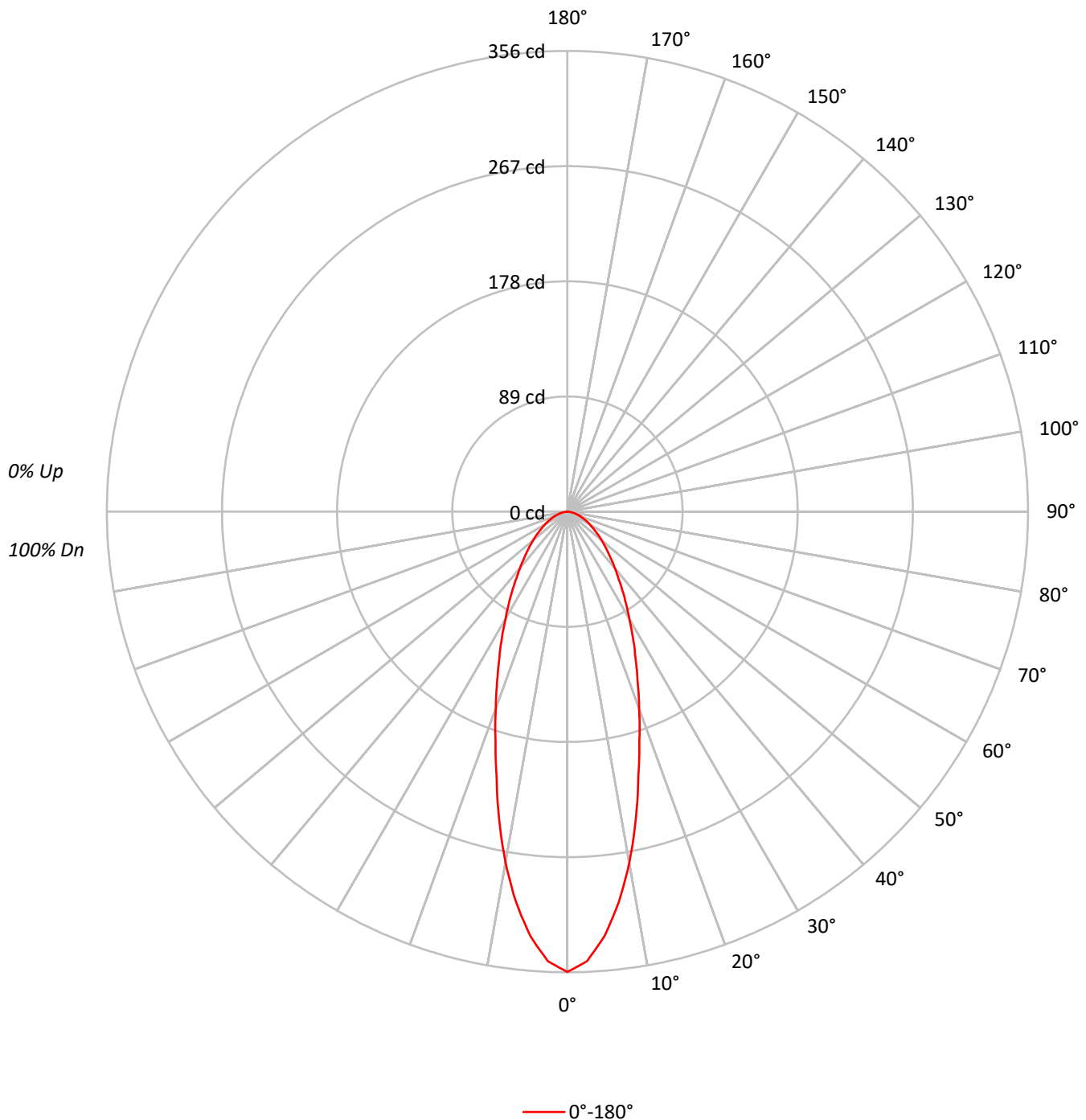
Lumens per Lamp: N/A
Luminaire Lumens: 275.1 lumens
Efficiency: N/A
Efficacy: 46.6 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	112	108	105	102	109	106	103	101	102	100	97	98	96	95	95	93	92	92	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	85	82	82	82	80
3	98	90	83	78	95	88	82	78	85	81	77	83	79	75	80	77	74	74	74	72
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	67	67	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	62	62	60
6	81	70	63	58	79	70	63	58	68	62	58	66	61	57	65	60	57	57	57	55
7	76	66	59	54	75	65	58	53	63	57	53	62	57	53	61	56	53	53	53	51
8	72	61	54	50	71	61	54	50	60	54	49	58	53	49	57	53	49	49	49	47
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	46	46	44
10	65	54	48	43	64	54	48	43	53	47	43	52	47	43	51	46	43	43	43	41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	77998
5°	72441
10°	61344
15°	48037
20°	37803
25°	30123
30°	24232
35°	19756
40°	16345
45°	13769
50°	11803
55°	10131
60°	8859
65°	7783
70°	6668
75°	5846
80°	4420
85°	3019

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 13769 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.7	10.8
10°-20°	59.2	21.5
20°-30°	57.5	20.9
30°-40°	46.5	16.9
40°-50°	34.5	12.6
50°-60°	24.0	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°	146.4	53.2
0°-40°	192.9	70.1
0°-60°	251.5	91.4
0°-90°	275.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	275.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	356	
5°	329	30
15°	212	59
25°	124	58
35°	74	46
45°	44	35
55°	26	24
65°	15	15
75°	7	7
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	355.7
2.5°	347.6
5°	329.1
7.5°	304.4
10°	275.5
12.5°	243.8
15°	211.6
17.5°	185.0
20°	162.0
22.5°	141.8
25°	124.5
27.5°	109.5
30°	95.7
32.5°	84.2
35°	73.8
37.5°	64.6
40°	57.1
42.5°	50.1
45°	44.4
47.5°	39.2
50°	34.6
52.5°	30.6
55°	26.5
57.5°	23.1
60°	20.2
62.5°	17.9
65°	15.0
67.5°	12.7
70°	10.4
72.5°	8.6
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)