

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: P1288189

Luminaire Tested: P3A05R20W2N902750DE010 E3PHLD1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1288189
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: P3A05R20W2N902750DE010 E3PHLD1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 2700K CCT AND, 90CRI ,
E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

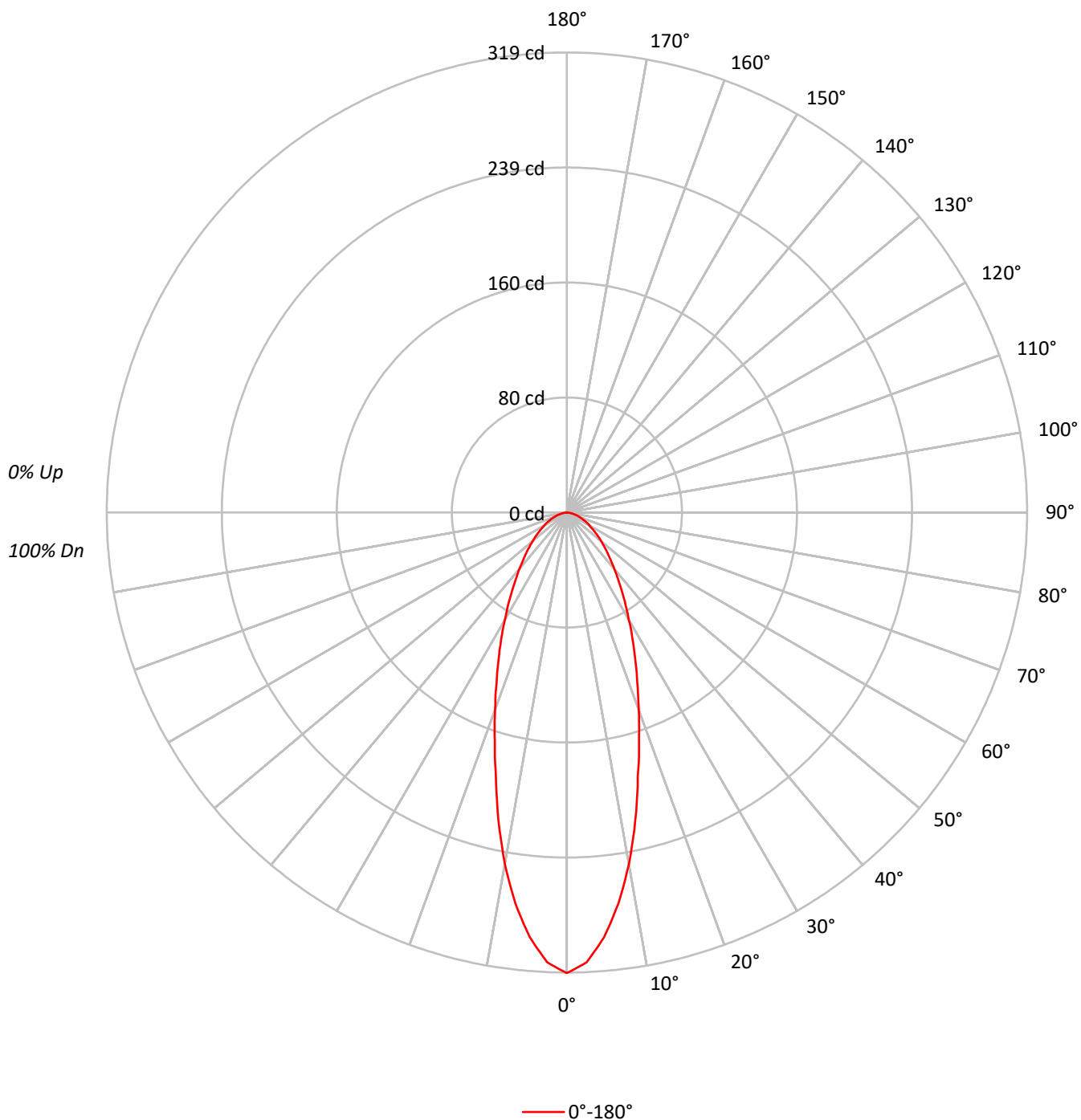
Lumens per Lamp: N/A
Luminaire Lumens: 247.0 lumens
Efficiency: N/A
Efficacy: 41.9 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1288189

CATALOG NUMBER: P3A05R20W2N902750DE010 E3PHLD1MW_2700K

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
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	104	98	93	89	102	96	92	88	93	89	86		90	87	84		87
3	98	90	83	78	95	88	82	78	85	81	77		83	79	75		80
4	92	82	75	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	84	75	68	63	73	67	63		71	66	62		70
6	81	70	63	58	79	70	63	58	68	62	58		66	61	57		65
7	76	66	59	54	75	65	58	53	63	57	53		62	57	53		61
8	72	61	54	50	71	61	54	50	60	54	49		58	53	49		57
9	69	58	51	46	67	57	51	46	56	50	46		55	50	46		54
10	65	54	48	43	64	54	48	43	53	47	43		52	47	43		51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	70038
5°	65067
10°	55109
15°	43133
20°	33953
25°	27050
30°	21750
35°	17748
40°	14685
45°	12373
50°	10609
55°	9099
60°	7938
65°	7005
70°	5963
75°	5253
80°	3915
85°	2516

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 12373 cd/sqm

TEST NUMBER: P1288189

CATALOG NUMBER: P3A05R20W2N902750DE010 E3PHLD1MW_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.7	10.8
10°-20°	53.2	21.5
20°-30°	51.7	20.9
30°-40°	41.7	16.9
40°-50°	31.0	12.6
50°-60°	21.5	8.7
60°-70°	13.5	5.5
70°-80°	6.6	2.7
80°-90°	1.1	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°	131.5	53.2
0°-40°	173.3	70.1
0°-60°	225.8	91.4
0°-90°	247.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	247.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	319	
5°	296	27
15°	190	53
25°	112	52
35°	66	42
45°	40	31
55°	24	22
65°	14	14
75°	6	7
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	319.4
2.5°	312.2
5°	295.6
7.5°	273.4
10°	247.5
12.5°	219.0
15°	190.0
17.5°	166.2
20°	145.5
22.5°	127.4
25°	111.8
27.5°	98.4
30°	85.9
32.5°	75.6
35°	66.3
37.5°	58.0
40°	51.3
42.5°	45.0
45°	39.9
47.5°	35.2
50°	31.1
52.5°	27.4
55°	23.8
57.5°	20.7
60°	18.1
62.5°	16.1
65°	13.5
67.5°	11.4
70°	9.3
72.5°	7.8
75°	6.2
77.5°	4.7
80°	3.1
82.5°	1.6
85°	1.0
87.5°	0.0
90°	0.0

(END OF REPORT)