

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: P1288197

Luminaire Tested: P3A05R20W2N902750DE010 E3PHLP1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1288197
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: P3A05R20W2N902750DE010 E3PHLP1MW_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 4000K CCT AND, 90CRI ,
E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

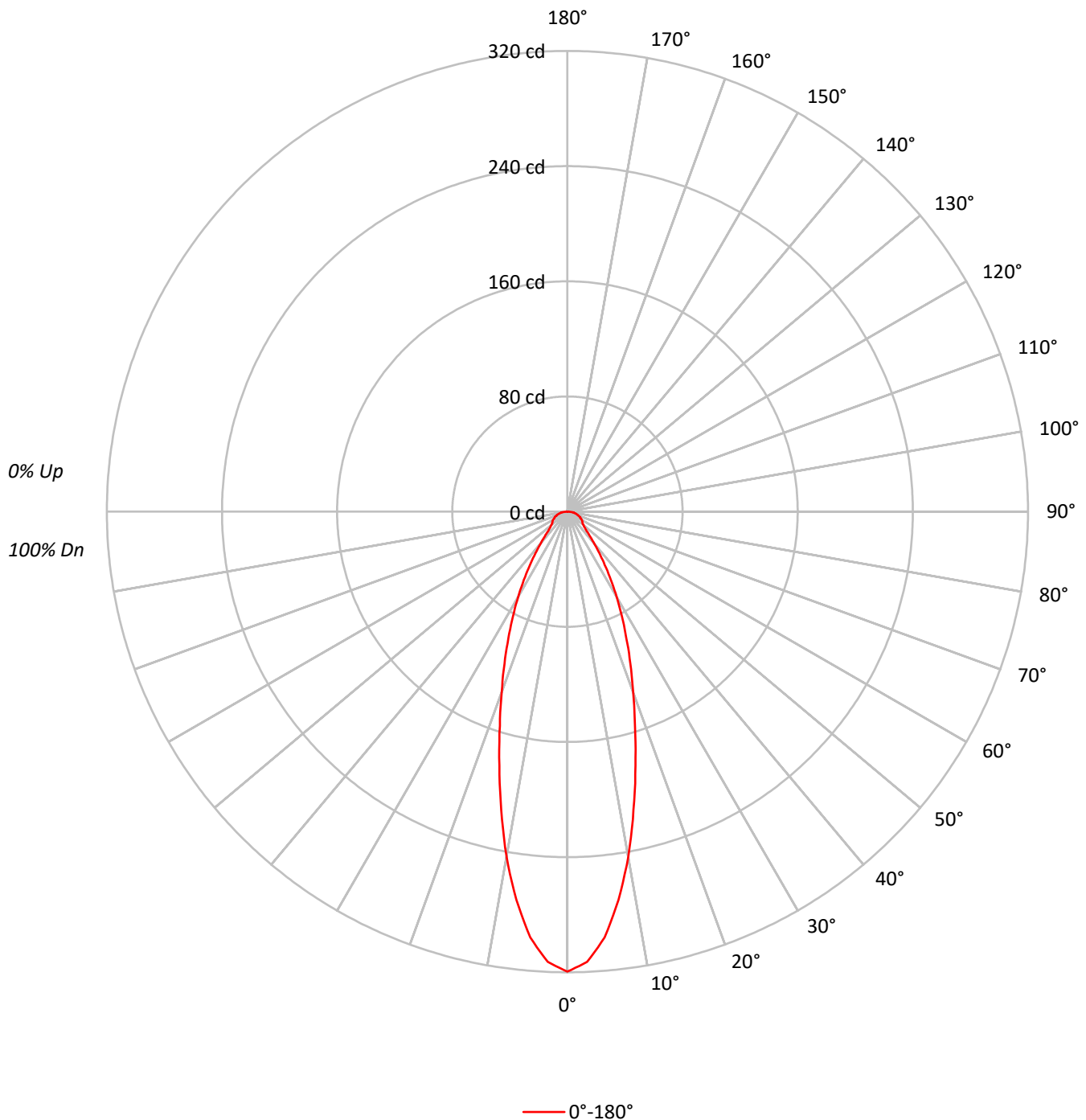
Lumens per Lamp: N/A
Luminaire Lumens: 197.0 lumens
Efficiency: N/A
Efficacy: 33.4 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.63
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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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				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	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	85	83		81
3	99	91	85	80	97	90	84	80	87	82	78		84	80	77		82	79	76		74
4	93	84	78	73	91	83	77	73	81	76	72		79	74	71		77	73	70		68
5	88	79	72	67	86	78	71	67	76	70	66		74	69	66		72	68	65		63
6	84	74	67	62	82	73	66	62	71	66	61		70	65	61		68	64	61		59
7	79	69	63	58	78	68	62	58	67	62	57		66	61	57		65	60	57		55
8	76	65	59	54	74	65	58	54	64	58	54		62	57	54		61	57	53		52
9	72	62	55	51	71	61	55	51	60	55	51		59	54	51		58	54	50		49
10	69	59	52	48	68	58	52	48	57	52	48		57	52	48		56	51	48		46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	70060
5°	65353
10°	54219
15°	41453
20°	31129
25°	23421
30°	17319
35°	12100
40°	8301
45°	5768
50°	4947
55°	4893
60°	5087
65°	5137
70°	5193
75°	5422
80°	5809
85°	5787

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 6888 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.6	13.5
10°-20°	50.8	25.8
20°-30°	44.7	22.7
30°-40°	28.8	14.6
40°-50°	15.3	7.8
50°-60°	11.5	5.8
60°-70°	9.8	5.0
70°-80°	6.9	3.5
80°-90°	2.7	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°	122.1	62.0
0°-40°	150.9	76.6
0°-60°	177.7	90.2
0°-90°	197.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	197.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	320	
5°	297	27
15°	183	51
25°	97	45
35°	45	29
45°	19	15
55°	13	11
65°	10	10
75°	6	7
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	319.5
2.5°	313.1
5°	296.9
7.5°	271.9
10°	243.5
12.5°	212.2
15°	182.6
17.5°	156.0
20°	133.4
22.5°	114.2
25°	96.8
27.5°	81.8
30°	68.4
32.5°	56.2
35°	45.2
37.5°	36.5
40°	29.0
42.5°	23.2
45°	18.6
47.5°	16.2
50°	14.5
52.5°	13.3
55°	12.8
57.5°	12.2
60°	11.6
62.5°	10.4
65°	9.9
67.5°	9.3
70°	8.1
72.5°	7.5
75°	6.4
77.5°	5.8
80°	4.6
82.5°	4.1
85°	2.3
87.5°	1.2
90°	0.0

(END OF REPORT)