

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: P1247567

Luminaire Tested: P3A20R209024D010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247567
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: P3A20R209024D010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2400K CCT AND, 90CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

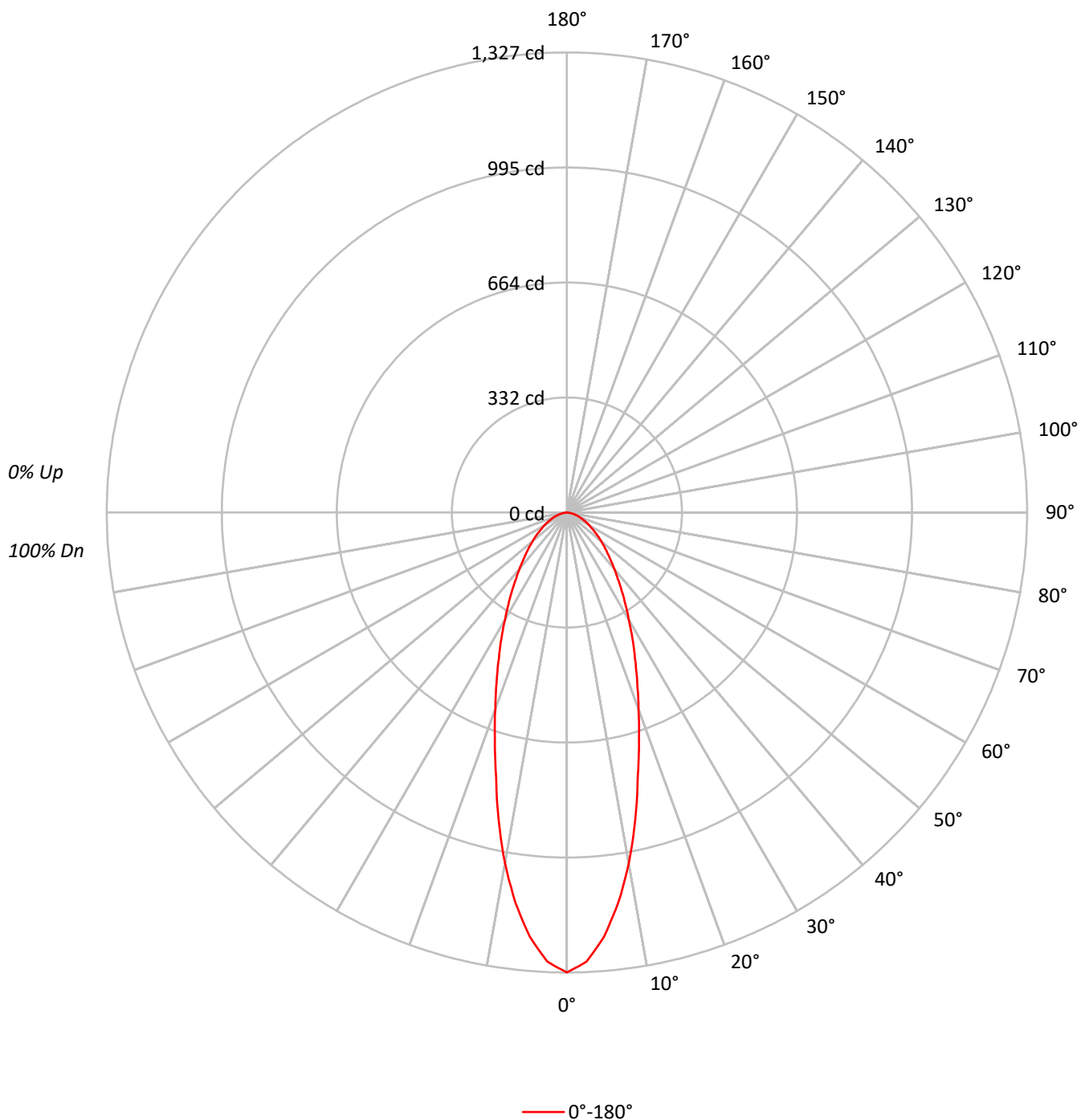
Lumens per Lamp: N/A
Luminaire Lumens: 1026.0 lumens
Efficiency: N/A
Efficacy: 35.6 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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: P1247567

CATALOG NUMBER: P3A20R209024D010 E3PHLD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1247567

CATALOG NUMBER: P3A20R209024D010 E3PHLD1MW

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	58	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°	290964
5°	270305
10°	228898
15°	179184
20°	141016
25°	112386
30°	90394
35°	73696
40°	60943
45°	51354
50°	44007
55°	37810
60°	33024
65°	29004
70°	24812
75°	21859
80°	16290
85°	10819

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 51354 cd/sqm

TEST NUMBER: P1247567

CATALOG NUMBER: P3A20R209024D010 E3PHLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.9	10.8
10°-20°	221.0	21.5
20°-30°	214.6	20.9
30°-40°	173.4	16.9
40°-50°	128.8	12.6
50°-60°	89.5	8.7
60°-70°	56.1	5.5
70°-80°	27.2	2.7
80°-90°	4.7	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°	546.4	53.3
0°-40°	719.7	70.1
0°-60°	938.0	91.4
0°-90°	1026.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1026.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1327	
5°	1228	111
15°	789	221
25°	464	215
35°	275	173
45°	166	129
55°	99	89
65°	56	56
75°	26	27
85°	4	5
90°	0	

TEST NUMBER: P1247567

CATALOG NUMBER: P3A20R209024D010 E3PHLD1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1326.9
2.5°	1296.8
5°	1228.0
7.5°	1135.5
10°	1028.0
12.5°	909.7
15°	789.3
17.5°	690.4
20°	604.3
22.5°	529.1
25°	464.5
27.5°	408.6
30°	357.0
32.5°	314.0
35°	275.3
37.5°	240.9
40°	212.9
42.5°	187.1
45°	165.6
47.5°	146.2
50°	129.0
52.5°	114.0
55°	98.9
57.5°	86.0
60°	75.3
62.5°	66.7
65°	55.9
67.5°	47.3
70°	38.7
72.5°	32.3
75°	25.8
77.5°	19.4
80°	12.9
82.5°	6.5
85°	4.3
87.5°	0.0
90°	0.0

(END OF REPORT)