

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: P1276734

Luminaire Tested: P3AS20R209835D010 E3PHLP1MW

Issue Date: 1/29/2026

**Test Information**

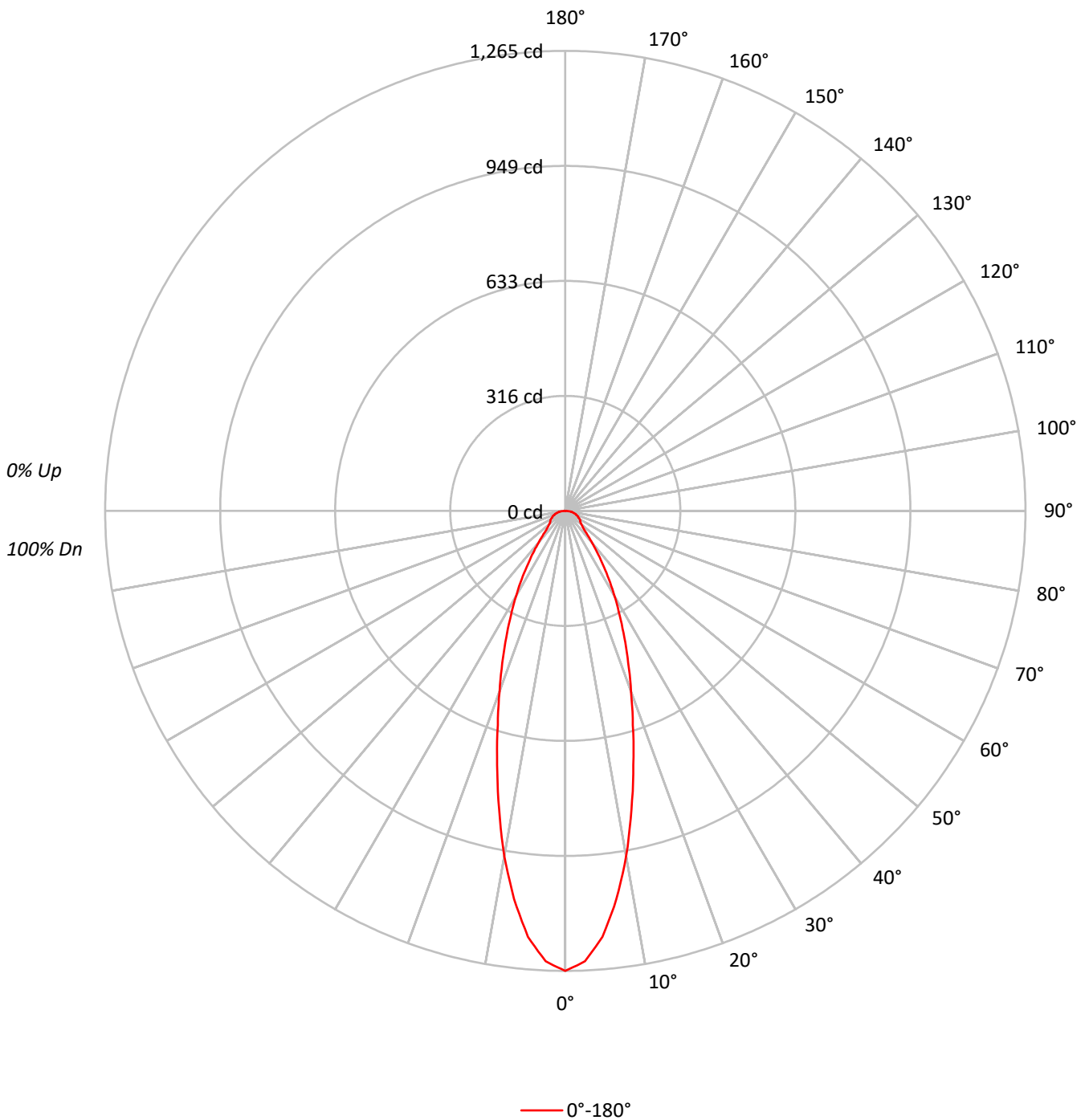
Test Method: LM-79-2019  
Report Number: P1276734  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS20R209835D010 E3PHLP1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 98CRI , E3PHLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 780.0 lumens  
Efficiency: N/A  
Efficacy: 28.5 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): 27.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	112	108	105	102	109	106	103	101	102	100	97	98	96	95	95	93	92	90			90
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81			81
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74			74
4	93	84	78	73	91	83	77	73	81	76	72	79	74	71	77	73	70	68			68
5	88	79	72	67	86	78	71	67	76	70	66	74	69	66	72	68	65	63			63
6	84	74	67	62	82	73	66	62	71	66	61	70	65	61	68	64	61	59			59
7	79	69	63	58	78	68	62	58	67	62	57	66	61	57	65	60	57	55			55
8	76	65	59	54	74	65	58	54	64	58	54	62	57	54	61	57	53	52			52
9	72	62	55	51	71	61	55	51	60	55	51	59	54	51	58	54	50	49			49
10	69	59	52	48	68	58	52	48	57	52	48	57	52	48	56	51	48	46			46

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	277368
5°	258727
10°	214692
15°	164155
20°	123211
25°	92763
30°	68593
35°	47944
40°	32862
45°	22793
50°	19581
55°	19306
60°	20130
65°	20236
70°	20580
75°	21435
80°	23235
85°	23147

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 82.5°  
 Luminance: 27048 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	105.3	13.5
10°-20°	201.1	25.8
20°-30°	176.9	22.7
30°-40°	114.2	14.6
40°-50°	60.5	7.8
50°-60°	45.5	5.8
60°-70°	38.6	5.0
70°-80°	27.3	3.5
80°-90°	10.6	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°	483.3	62.0
0°-40°	597.5	76.6
0°-60°	703.5	90.2
0°-90°	780.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	780.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1265	
5°	1175	105
15°	723	201
25°	383	177
35°	179	114
45°	74	61
55°	50	45
65°	39	39
75°	25	27
85°	9	11
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1264.9
2.5°	1239.7
5°	1175.4
7.5°	1076.7
10°	964.2
12.5°	840.2
15°	723.1
17.5°	617.5
20°	528.0
22.5°	452.3
25°	383.4
27.5°	323.7
30°	270.9
32.5°	222.7
35°	179.1
37.5°	144.6
40°	114.8
42.5°	91.8
45°	73.5
47.5°	64.3
50°	57.4
52.5°	52.8
55°	50.5
57.5°	48.2
60°	45.9
62.5°	41.3
65°	39.0
67.5°	36.7
70°	32.1
72.5°	29.8
75°	25.3
77.5°	23.0
80°	18.4
82.5°	16.1
85°	9.2
87.5°	4.6
90°	0.0

(END OF REPORT)