

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: P1249677

Luminaire Tested: P3AS17R359027DE010 E3PHLP1MW

Issue Date: 1/29/2026

**Test Information**

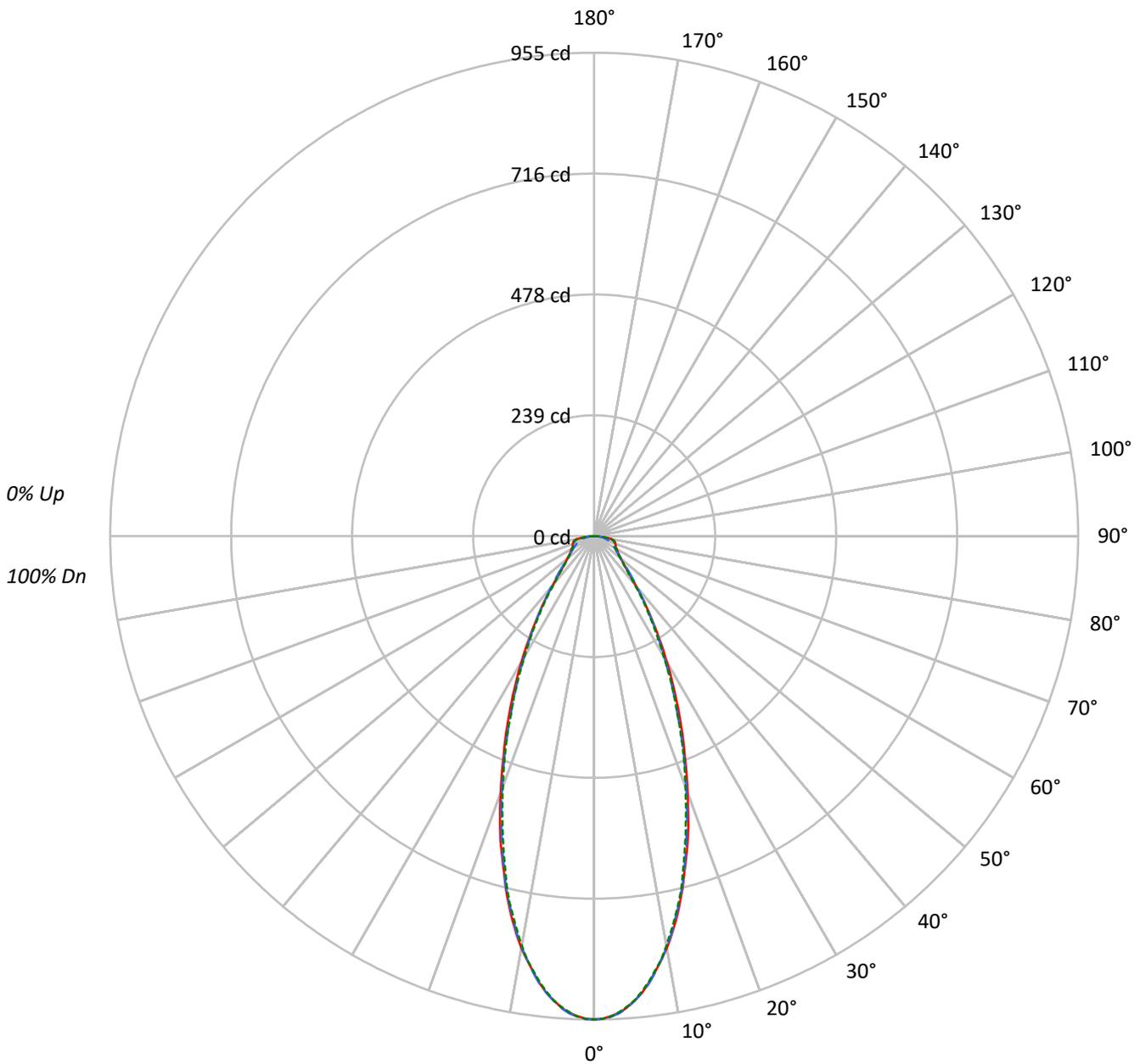
Test Method: LM-79-2019  
Report Number: P1249677  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS17R359027DE010 E3PHLP1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , E3PHLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 790.0 lumens  
Efficiency: N/A  
Efficacy: 37.3 lumens/watt  
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 21.2  
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



— 0°-180°    - - 45°-225°    - · - · 90°-270°



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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	102	102	102	100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	91	91	91	89
2	104	98	92	88	101	96	91	87	92	88	85	89	86	83	86	84	81	81	81	81	79
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	74	74	74	72
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	67	67	67	65
5	86	76	69	64	84	75	69	64	73	68	63	72	67	63	70	65	62	62	62	62	60
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	57	57	57	57	56
7	77	66	60	55	76	66	59	54	64	58	54	63	58	54	62	57	54	54	54	54	52
8	73	62	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	50	50	50	49
9	70	59	52	48	68	58	52	48	57	52	47	56	51	47	55	51	47	47	47	47	46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	44	44	44	43

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

	0°	45°	90°
0°	209369	209369	209369
5°	202509	202773	202509
10°	183965	183697	182873
15°	156164	155620	154235
20°	125708	124027	122907
25°	97191	94264	94264
30°	72467	70036	69428
35°	52146	51504	50219
40°	36497	37527	35123
45°	27228	28716	26483
50°	23368	23368	22959
55°	22059	21141	21600
60°	22674	20569	21621
65°	24335	20599	23712
70°	28530	21606	27761
75°	35669	22452	34652
80°	45587	24246	41041
85°	36230	24153	36230

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 45587 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	84.8	10.7
10°-20°	189.3	24.0
20°-30°	180.7	22.9
30°-40°	121.4	15.4
40°-50°	71.3	9.0
50°-60°	50.9	6.4
60°-70°	42.4	5.4
70°-80°	34.8	4.4
80°-90°	14.3	1.8
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°	454.8	57.6
0°-40°	576.2	72.9
0°-60°	698.4	88.4
0°-90°	790.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	790.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	955	955	955	955	955	
5°	920	922	921	920	920	85
15°	688	689	686	681	679	191
25°	402	397	390	390	390	184
35°	195	195	192	189	188	123
45°	88	90	93	88	85	71
55°	58	56	55	55	56	52
65°	47	42	40	42	46	47
75°	42	32	26	32	41	44
85°	14	16	10	16	14	16
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	954.8	954.8	954.8	954.8	954.8
1°	953.6	954.8	954.8	953.6	953.6
2°	948.8	951.2	950.0	948.8	950.0
3°	942.8	945.2	944.0	942.8	941.6
4°	933.2	935.6	934.4	932.0	932.0
5°	920.0	922.4	921.2	920.0	920.0
6°	906.7	909.1	906.7	904.3	904.3
7°	888.7	892.3	889.9	887.5	886.3
8°	868.2	871.9	869.5	868.2	865.8
9°	847.8	850.2	846.6	846.6	846.6
10°	826.2	827.4	825.0	821.3	821.3
11°	802.1	800.9	799.7	797.3	794.9
12°	775.7	775.7	772.0	769.6	768.4
13°	748.0	746.8	744.4	742.0	742.0
14°	719.1	719.1	716.7	711.9	713.1
15°	687.9	689.1	685.5	680.6	679.4
17.5°	616.9	614.5	608.5	604.9	601.3
20°	538.7	537.5	531.5	527.9	526.7
22.5°	466.6	465.4	459.4	455.8	458.2
25°	401.7	396.8	389.6	389.6	389.6
27.5°	341.5	335.5	330.7	328.3	330.7
30°	286.2	281.4	276.6	275.4	274.2
32.5°	236.9	234.5	232.1	228.5	228.5
35°	194.8	194.8	192.4	188.8	187.6
37.5°	158.7	159.9	158.7	155.1	153.9
40°	127.5	129.9	131.1	127.5	122.7
42.5°	104.6	108.2	110.6	104.6	101.0
45°	87.8	90.2	92.6	87.8	85.4
47.5°	77.0	78.2	79.4	75.8	74.6
50°	68.5	68.5	68.5	67.3	67.3
52.5°	62.5	62.5	61.3	60.1	60.1
55°	57.7	56.5	55.3	55.3	56.5
57.5°	54.1	52.9	50.5	51.7	52.9
60°	51.7	49.3	46.9	48.1	49.3
62.5°	48.1	45.7	43.3	44.5	46.9
65°	46.9	42.1	39.7	42.1	45.7
67.5°	45.7	39.7	36.1	39.7	44.5
70°	44.5	37.3	33.7	37.3	43.3
72.5°	43.3	34.9	30.1	34.9	42.1
75°	42.1	32.5	26.5	32.5	40.9
77.5°	39.7	30.1	22.8	30.1	37.3
80°	36.1	27.7	19.2	26.5	32.5
82.5°	26.5	22.8	15.6	22.8	24.1
85°	14.4	15.6	9.6	15.6	14.4
87.5°	1.2	2.4	2.4	7.2	4.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)