

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: P1252729

Luminaire Tested: P3AS20R359030D010 E3PHLP1MW

Issue Date: 1/29/2026

**Test Information**

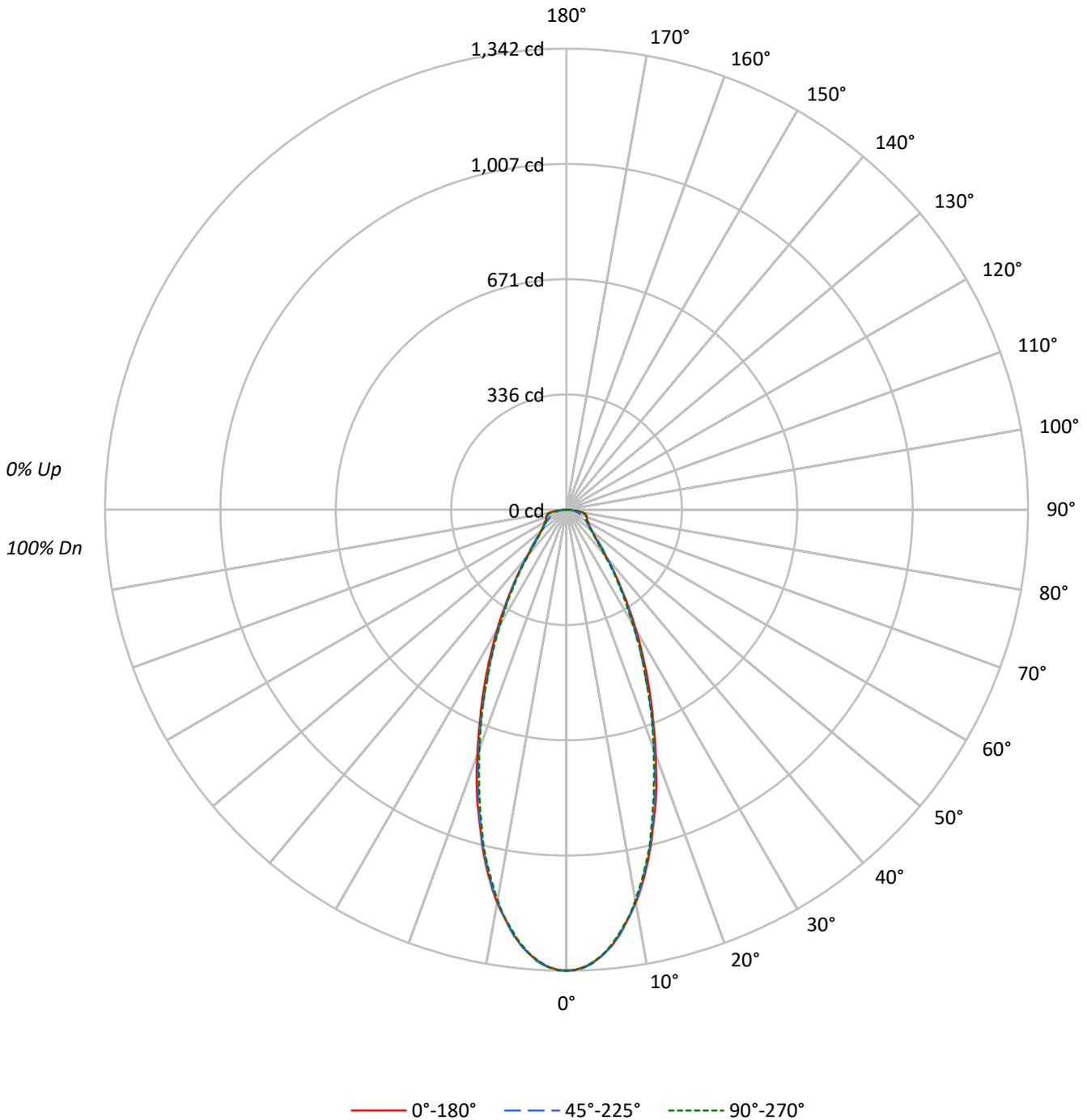
Test Method: LM-79-2019  
Report Number: P1252729  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS20R359030D010 E3PHLP1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , E3PHLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1110.0 lumens  
Efficiency: N/A  
Efficacy: 38.5 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): 28.8  
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	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°	294187	294187	294187
5°	284525	284899	284525
10°	258468	258089	256954
15°	219411	218639	216732
20°	176649	174268	172705
25°	136556	132467	132467
30°	101813	98395	97534
35°	73267	72357	70564
40°	51267	52727	49321
45°	38237	40345	37213
50°	32852	32852	32272
55°	31005	29705	30355
60°	31883	28901	30392
65°	34193	28953	33311
70°	40071	30326	38981
75°	50072	31517	48631
80°	64023	34095	57583
85°	51074	33966	51074

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 64023 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.2	10.7
10°-20°	265.9	24.0
20°-30°	254.0	22.9
30°-40°	170.6	15.4
40°-50°	100.1	9.0
50°-60°	71.6	6.5
60°-70°	59.6	5.4
70°-80°	48.9	4.4
80°-90°	20.1	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°	639.0	57.6
0°-40°	809.6	72.9
0°-60°	981.4	88.4
0°-90°	1110.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1110.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1342	1342	1342	1342	1342	
5°	1293	1296	1294	1293	1293	119
15°	966	968	963	956	955	268
25°	564	558	548	548	548	259
35°	274	274	270	265	264	173
45°	123	127	130	123	120	99
55°	81	79	78	78	79	74
65°	66	59	56	59	64	66
75°	59	46	37	46	57	61
85°	20	22	14	22	20	23
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1341.6	1341.6	1341.6	1341.6	1341.6
1°	1339.9	1341.6	1341.6	1339.9	1339.9
2°	1333.2	1336.5	1334.8	1333.2	1334.8
3°	1324.7	1328.1	1326.4	1324.7	1323.0
4°	1311.2	1314.6	1312.9	1309.5	1309.5
5°	1292.6	1296.0	1294.3	1292.6	1292.6
6°	1274.0	1277.4	1274.0	1270.6	1270.6
7°	1248.7	1253.7	1250.4	1247.0	1245.3
8°	1219.9	1225.0	1221.6	1219.9	1216.6
9°	1191.2	1194.6	1189.5	1189.5	1189.5
10°	1160.8	1162.5	1159.1	1154.0	1154.0
11°	1127.0	1125.3	1123.6	1120.3	1116.9
12°	1089.8	1089.8	1084.8	1081.4	1079.7
13°	1051.0	1049.3	1045.9	1042.5	1042.5
14°	1010.4	1010.4	1007.0	1000.3	1002.0
15°	966.5	968.2	963.1	956.4	954.7
17.5°	866.8	863.4	855.0	849.9	844.8
20°	757.0	755.3	746.8	741.8	740.1
22.5°	655.6	653.9	645.5	640.4	643.8
25°	564.4	557.6	547.5	547.5	547.5
27.5°	479.9	471.4	464.7	461.3	464.7
30°	402.1	395.4	388.6	386.9	385.2
32.5°	332.9	329.5	326.1	321.0	321.0
35°	273.7	273.7	270.3	265.3	263.6
37.5°	223.0	224.7	223.0	218.0	216.3
40°	179.1	182.5	184.2	179.1	172.3
42.5°	147.0	152.1	155.5	147.0	141.9
45°	123.3	126.7	130.1	123.3	120.0
47.5°	108.1	109.8	111.5	106.4	104.8
50°	96.3	96.3	96.3	94.6	94.6
52.5°	87.9	87.9	86.2	84.5	84.5
55°	81.1	79.4	77.7	77.7	79.4
57.5°	76.0	74.3	71.0	72.7	74.3
60°	72.7	69.3	65.9	67.6	69.3
62.5°	67.6	64.2	60.8	62.5	65.9
65°	65.9	59.1	55.8	59.1	64.2
67.5°	64.2	55.8	50.7	55.8	62.5
70°	62.5	52.4	47.3	52.4	60.8
72.5°	60.8	49.0	42.2	49.0	59.1
75°	59.1	45.6	37.2	45.6	57.4
77.5°	55.8	42.2	32.1	42.2	52.4
80°	50.7	38.9	27.0	37.2	45.6
82.5°	37.2	32.1	22.0	32.1	33.8
85°	20.3	22.0	13.5	22.0	20.3
87.5°	1.7	3.4	3.4	10.1	6.8



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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)