

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: P1270589

Luminaire Tested: P3A20R359740D010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270589
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: P3A20R359740D010 E3PHLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 97CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

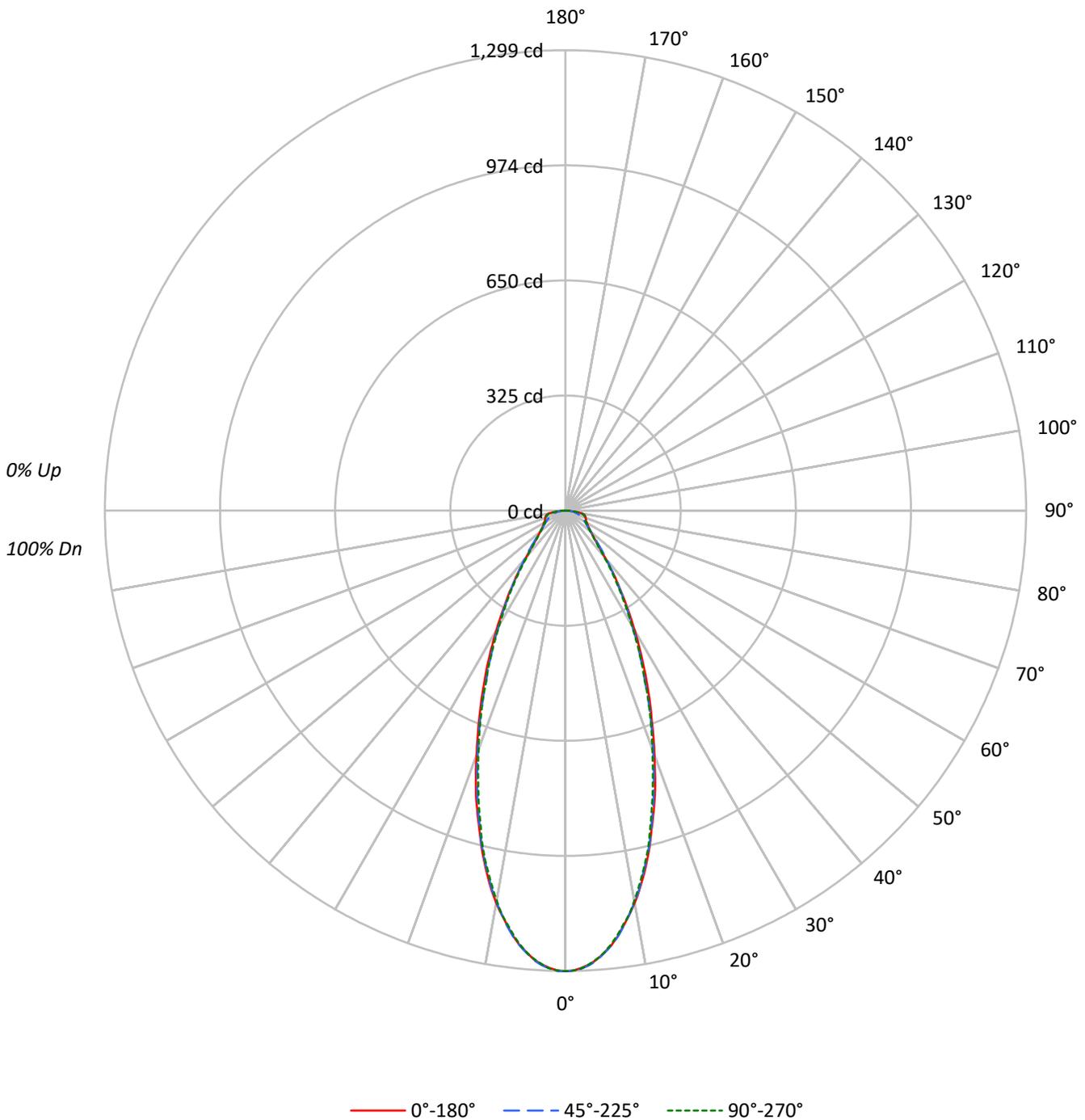
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1075.0 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): 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

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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°	284911	284911	284911
5°	275544	275918	275544
10°	250318	249962	248871
15°	212487	211738	209899
20°	171072	168785	167245
25°	132250	128282	128282
30°	98623	95306	94470
35°	70965	70082	68342
40°	49664	51067	47775
45°	37058	39074	36035
50°	31828	31828	31248
55°	30011	28788	29399
60°	30875	27980	29427
65°	33103	28019	32273
70°	38789	29364	37763
75°	48547	30500	47106
80°	62003	33085	55815
85°	49313	32959	49313

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 62003 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.4	10.7
10°-20°	257.5	24.0
20°-30°	245.9	22.9
30°-40°	165.2	15.4
40°-50°	97.0	9.0
50°-60°	69.4	6.5
60°-70°	57.7	5.4
70°-80°	47.3	4.4
80°-90°	19.5	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°	618.9	57.6
0°-40°	784.1	72.9
0°-60°	950.4	88.4
0°-90°	1075.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1075.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1299	1299	1299	1299	1299	
5°	1252	1255	1254	1252	1252	115
15°	936	938	933	926	925	259
25°	547	540	530	530	530	251
35°	265	265	262	257	255	168
45°	120	123	126	120	116	96
55°	78	77	75	75	77	71
65°	64	57	54	57	62	64
75°	57	44	36	44	56	59
85°	20	21	13	21	20	22
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1299.3	1299.3	1299.3	1299.3	1299.3
1°	1297.7	1299.3	1299.3	1297.7	1297.7
2°	1291.1	1294.4	1292.8	1291.1	1292.8
3°	1282.9	1286.2	1284.6	1282.9	1281.3
4°	1269.8	1273.1	1271.5	1268.2	1268.2
5°	1251.8	1255.1	1253.5	1251.8	1251.8
6°	1233.8	1237.1	1233.8	1230.6	1230.6
7°	1209.3	1214.2	1210.9	1207.7	1206.0
8°	1181.5	1186.4	1183.1	1181.5	1178.2
9°	1153.7	1156.9	1152.0	1152.0	1152.0
10°	1124.2	1125.8	1122.6	1117.7	1117.7
11°	1091.5	1089.8	1088.2	1084.9	1081.7
12°	1055.5	1055.5	1050.6	1047.3	1045.7
13°	1017.8	1016.2	1012.9	1009.7	1009.7
14°	978.6	978.6	975.3	968.7	970.4
15°	936.0	937.7	932.7	926.2	924.6
17.5°	839.5	836.2	828.0	823.1	818.2
20°	733.1	731.5	723.3	718.4	716.7
22.5°	634.9	633.3	625.1	620.2	623.5
25°	546.6	540.0	530.2	530.2	530.2
27.5°	464.7	456.6	450.0	446.7	450.0
30°	389.5	382.9	376.4	374.7	373.1
32.5°	322.4	319.1	315.8	310.9	310.9
35°	265.1	265.1	261.8	256.9	255.3
37.5°	216.0	217.6	216.0	211.1	209.5
40°	173.5	176.7	178.4	173.5	166.9
42.5°	142.4	147.3	150.5	142.4	137.5
45°	119.5	122.7	126.0	119.5	116.2
47.5°	104.7	106.4	108.0	103.1	101.5
50°	93.3	93.3	93.3	91.6	91.6
52.5°	85.1	85.1	83.5	81.8	81.8
55°	78.5	76.9	75.3	75.3	76.9
57.5°	73.6	72.0	68.7	70.4	72.0
60°	70.4	67.1	63.8	65.5	67.1
62.5°	65.5	62.2	58.9	60.5	63.8
65°	63.8	57.3	54.0	57.3	62.2
67.5°	62.2	54.0	49.1	54.0	60.5
70°	60.5	50.7	45.8	50.7	58.9
72.5°	58.9	47.5	40.9	47.5	57.3
75°	57.3	44.2	36.0	44.2	55.6
77.5°	54.0	40.9	31.1	40.9	50.7
80°	49.1	37.6	26.2	36.0	44.2
82.5°	36.0	31.1	21.3	31.1	32.7
85°	19.6	21.3	13.1	21.3	19.6
87.5°	1.6	3.3	3.3	9.8	6.5



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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)