

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: P1246937

Luminaire Tested: P3A13R359024DE010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246937
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: P3A13R359024DE010 E3PHLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

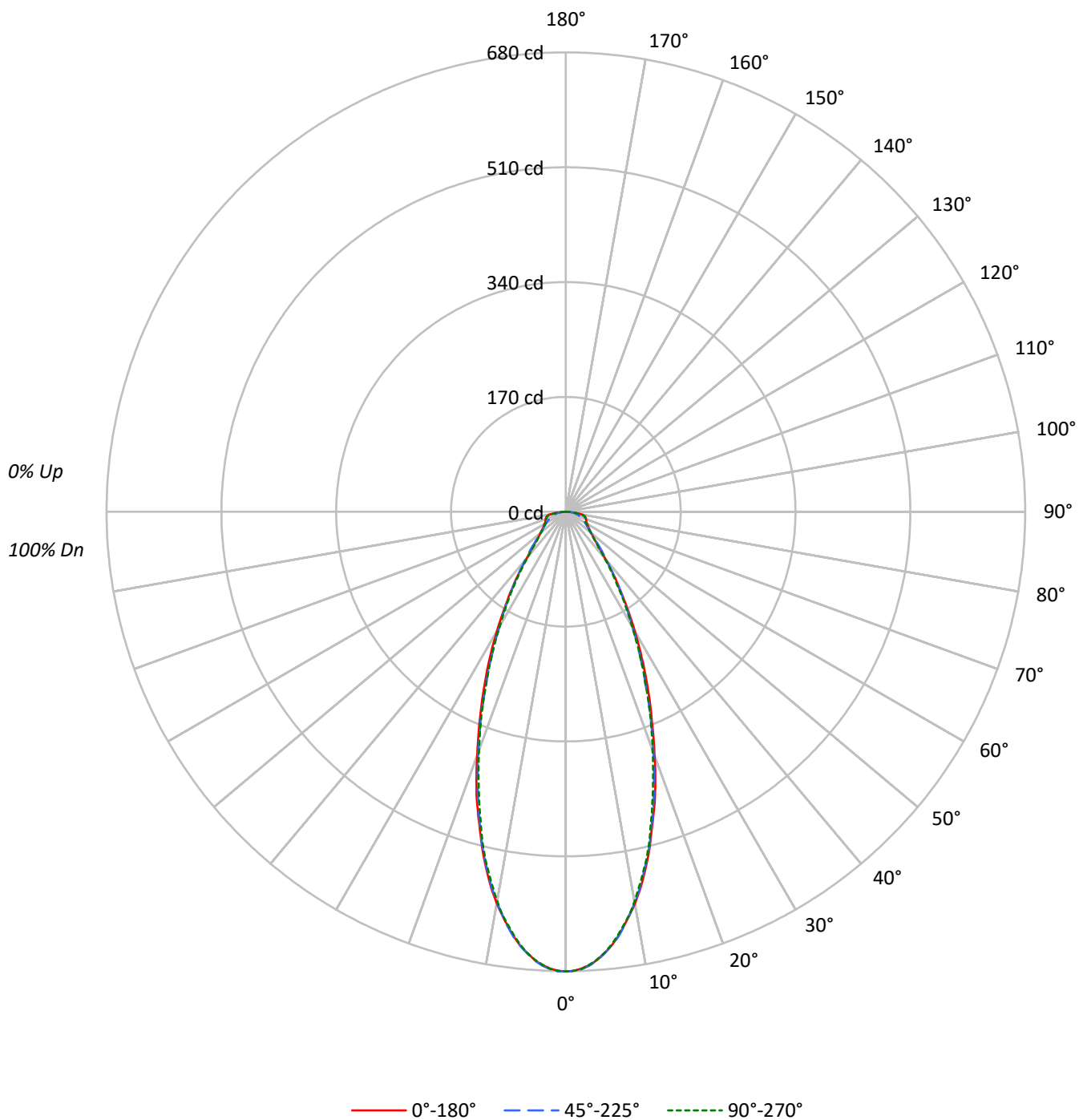
Lumens per Lamp: N/A
Luminaire Lumens: 563.0 lumens
Efficiency: N/A
Efficacy: 38.6 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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: P1246937

CATALOG NUMBER: P3A13R359024DE010 E3PHLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1246937

CATALOG NUMBER: P3A13R359024DE010 E3PHLP1MW

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	149221	149221	149221
5°	144310	144508	144310
10°	131104	130904	130325
15°	111283	110897	109921
20°	89584	88394	87601
25°	69246	67189	67189
30°	51654	49906	49476
35°	37156	36701	35790
40°	25992	26736	25018
45°	19413	20467	18855
50°	16648	16648	16375
55°	15713	15063	15407
60°	16183	14648	15394
65°	17330	14684	16915
70°	20324	15387	19811
75°	25417	16013	24655
80°	32454	17300	29170
85°	25914	17360	25914

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 32454 cd/sqm

TEST NUMBER: P1246937

CATALOG NUMBER: P3A13R359024DE010 E3PHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.4	10.7
10°-20°	134.9	24.0
20°-30°	128.8	22.9
30°-40°	86.5	15.4
40°-50°	50.8	9.0
50°-60°	36.3	6.5
60°-70°	30.3	5.4
70°-80°	24.8	4.4
80°-90°	10.2	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°	324.1	57.6
0°-40°	410.6	72.9
0°-60°	497.8	88.4
0°-90°	563.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	563.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	680	680	680	680	680	
5°	656	657	656	656	656	60
15°	490	491	488	485	484	136
25°	286	283	278	278	278	131
35°	139	139	137	135	134	88
45°	63	64	66	63	61	50
55°	41	40	39	39	40	37
65°	33	30	28	30	33	33
75°	30	23	19	23	29	31
85°	10	11	7	11	10	12
90°	0	0	0	0	0	

TEST NUMBER: P1246937

CATALOG NUMBER: P3A13R359024DE010 E3PHLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	680.5	680.5	680.5	680.5	680.5
1°	679.6	680.5	680.5	679.6	679.6
2°	676.2	677.9	677.0	676.2	677.0
3°	671.9	673.6	672.8	671.9	671.0
4°	665.0	666.8	665.9	664.2	664.2
5°	655.6	657.3	656.5	655.6	655.6
6°	646.2	647.9	646.2	644.5	644.5
7°	633.3	635.9	634.2	632.5	631.6
8°	618.8	621.3	619.6	618.8	617.1
9°	604.2	605.9	603.3	603.3	603.3
10°	588.8	589.6	587.9	585.3	585.3
11°	571.6	570.8	569.9	568.2	566.5
12°	552.8	552.8	550.2	548.5	547.6
13°	533.1	532.2	530.5	528.8	528.8
14°	512.5	512.5	510.8	507.4	508.2
15°	490.2	491.1	488.5	485.1	484.2
17.5°	439.6	437.9	433.6	431.1	428.5
20°	383.9	383.1	378.8	376.2	375.4
22.5°	332.5	331.7	327.4	324.8	326.5
25°	286.2	282.8	277.7	277.7	277.7
27.5°	243.4	239.1	235.7	234.0	235.7
30°	204.0	200.5	197.1	196.3	195.4
32.5°	168.8	167.1	165.4	162.8	162.8
35°	138.8	138.8	137.1	134.6	133.7
37.5°	113.1	114.0	113.1	110.6	109.7
40°	90.8	92.6	93.4	90.8	87.4
42.5°	74.6	77.1	78.8	74.6	72.0
45°	62.6	64.3	66.0	62.6	60.8
47.5°	54.8	55.7	56.6	54.0	53.1
50°	48.8	48.8	48.8	48.0	48.0
52.5°	44.6	44.6	43.7	42.9	42.9
55°	41.1	40.3	39.4	39.4	40.3
57.5°	38.6	37.7	36.0	36.9	37.7
60°	36.9	35.1	33.4	34.3	35.1
62.5°	34.3	32.6	30.9	31.7	33.4
65°	33.4	30.0	28.3	30.0	32.6
67.5°	32.6	28.3	25.7	28.3	31.7
70°	31.7	26.6	24.0	26.6	30.9
72.5°	30.9	24.9	21.4	24.9	30.0
75°	30.0	23.1	18.9	23.1	29.1
77.5°	28.3	21.4	16.3	21.4	26.6
80°	25.7	19.7	13.7	18.9	23.1
82.5°	18.9	16.3	11.1	16.3	17.1
85°	10.3	11.1	6.9	11.1	10.3
87.5°	0.9	1.7	1.7	5.1	3.4



TEST NUMBER: P1246937

CATALOG NUMBER: P3A13R359024DE010 E3PHLP1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)