

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: P1267074

Luminaire Tested: P3A09R359735DE010 E3PH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1267074
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R359735DE010 E3PH1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 97CRI , E3PH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

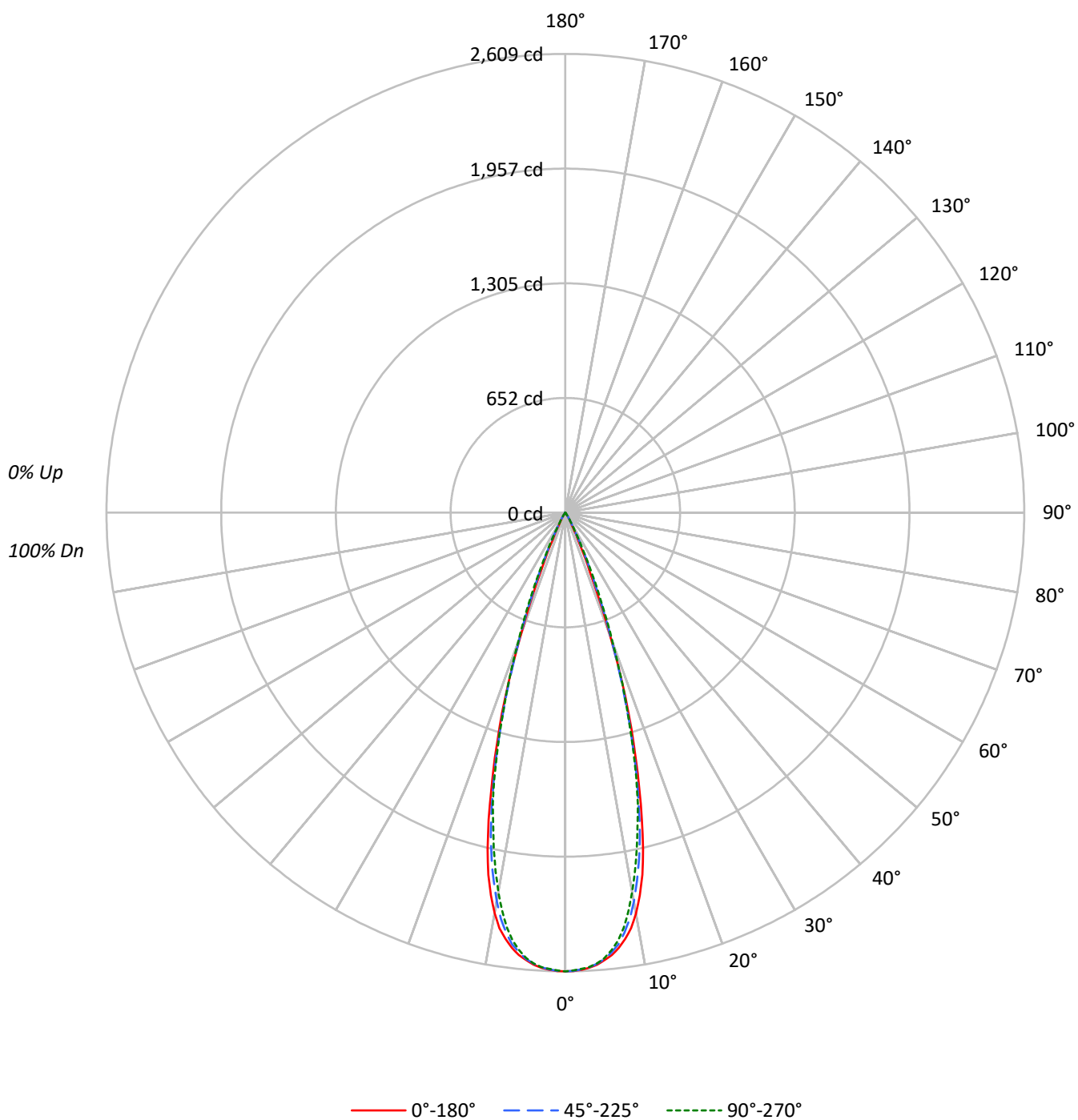
Lumens per Lamp: N/A
Luminaire Lumens: 792.0 lumens
Efficiency: N/A
Efficacy: 71.4 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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
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	115	113	111	109	113	111	109	108	107	106	104		103	102	101		100
2	111	108	105	102	109	106	103	101	103	101	99		100	98	97		97
3	108	103	100	97	106	102	99	96	99	97	94		97	95	93		95
4	104	99	95	92	103	98	94	92	96	93	91		94	92	90		93
5	101	95	91	88	100	95	91	88	93	90	87		92	89	87		90
6	98	92	88	85	97	91	88	85	90	87	84		89	86	84		88
7	96	89	85	82	94	89	85	82	87	84	81		86	83	81		85
8	93	86	82	79	92	86	82	79	85	81	79		84	81	79		83
9	90	84	80	77	89	83	79	77	82	79	76		82	79	76		81
10	88	81	77	75	87	81	77	74	80	77	74		80	76	74		79

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	572191	572191	572191
5°	562358	561148	559959
10°	515399	499902	487744
15°	369060	357278	352942
20°	171142	177022	183229
25°	40599	57778	60245
30°	11926	13648	15369
35°	2730	4390	4015
40°	573	1174	773
45°	217	217	217
50°	239	0	239
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 252 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.3	29.6
10°-20°	418.8	52.9
20°-30°	126.0	15.9
30°-40°	12.0	1.5
40°-50°	0.8	0.1
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	779.1	98.4
0°-40°	791.1	99.9
0°-60°	792.0	100.0
0°-90°	792.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	792.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2609	2609	2609	2609	2609	
5°	2555	2554	2549	2546	2544	237
15°	1626	1613	1574	1567	1555	429
25°	168	185	239	249	249	108
35°	10	14	16	18	15	9
45°	1	1	1	1	1	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2609.4	2609.4	2609.4	2609.4	2609.4
1°	2608.0	2608.0	2606.6	2606.6	2603.9
2°	2601.9	2602.5	2599.8	2599.1	2597.1
3°	2592.3	2590.3	2590.3	2588.9	2587.5
4°	2577.3	2573.2	2571.8	2572.5	2569.8
5°	2554.8	2554.1	2549.3	2545.9	2543.9
6°	2530.2	2525.5	2515.2	2506.4	2504.3
7°	2493.4	2483.2	2474.3	2455.9	2453.1
8°	2448.4	2432.0	2412.9	2387.0	2385.6
9°	2393.1	2366.5	2339.9	2305.1	2292.8
10°	2314.7	2290.1	2245.1	2214.4	2190.5
11°	2217.1	2186.4	2133.9	2097.0	2077.3
12°	2106.6	2077.9	2016.5	1983.1	1955.1
13°	1964.7	1940.8	1883.5	1846.7	1824.9
14°	1800.3	1782.6	1728.0	1711.6	1704.1
15°	1625.7	1613.4	1573.8	1567.0	1554.7
17.5°	1196.6	1176.1	1153.6	1157.7	1161.8
20°	733.4	762.0	758.6	773.6	785.2
22.5°	365.7	402.5	445.5	471.4	484.4
25°	167.8	184.9	238.8	249.0	249.0
27.5°	84.6	88.7	112.6	114.6	120.1
30°	47.1	50.5	53.9	60.0	60.7
32.5°	23.9	28.0	29.3	32.7	31.4
35°	10.2	13.6	16.4	17.7	15.0
37.5°	4.8	6.1	8.9	8.2	6.1
40°	2.0	2.7	4.1	3.4	2.7
42.5°	1.4	1.4	2.0	1.4	1.4
45°	0.7	0.7	0.7	0.7	0.7
47.5°	0.7	0.7	0.0	0.7	0.7
50°	0.7	0.0	0.0	0.0	0.7
52.5°	0.7	0.0	0.0	0.0	0.7
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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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)