

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: P1270587

Luminaire Tested: P3AS20R359740D010 E3PH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270587
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: P3AS20R359740D010 E3PH1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 97CRI , E3PH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

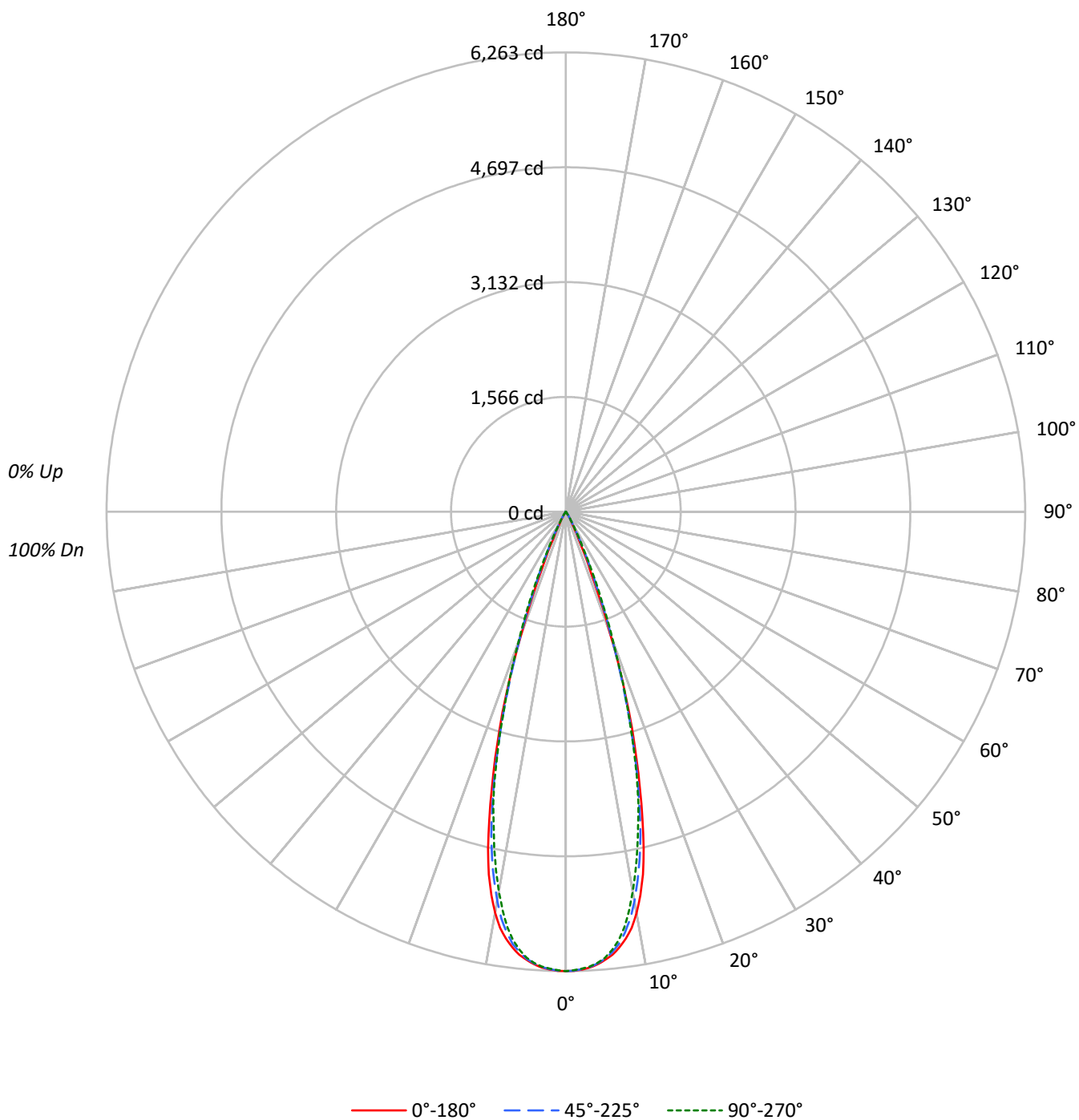
Lumens per Lamp: N/A
Luminaire Lumens: 1901.0 lumens
Efficiency: N/A
Efficacy: 66.0 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	98
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93	92	91
3	108	103	100	97	106	102	99	96	99	97	94	97	95	93	95	93	92	90	89	87
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	93	90	89	87	85	82
5	101	95	91	88	100	95	91	88	93	90	87	92	89	87	90	88	86	85	83	81
6	98	92	88	85	97	91	88	85	90	87	84	89	86	84	88	85	83	82	80	77
7	96	89	85	82	94	89	85	82	87	84	81	86	83	81	85	83	81	79	77	75
8	93	86	82	79	92	86	82	79	85	81	79	84	81	79	83	80	78	76	74	73
9	90	84	80	77	89	83	79	77	82	79	76	82	79	76	81	78	76	74	72	70
10	88	81	77	75	87	81	77	74	80	77	74	80	76	74	79	76	74	72	70	68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1373377	1373377	1373377
5°	1349787	1346904	1344020
10°	1237074	1199889	1170720
15°	885817	857553	847156
20°	410749	424890	439802
25°	97457	138661	144613
30°	28612	32765	36892
35°	6585	10520	9637
40°	1403	2805	1861
45°	496	496	496
50°	546	0	546
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: 576 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	562.3	29.6
10°-20°	1005.2	52.9
20°-30°	302.4	15.9
30°-40°	28.9	1.5
40°-50°	2.0	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°	1870.0	98.4
0°-40°	1898.9	99.9
0°-60°	1901.0	100.0
0°-90°	1901.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1901.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6263	6263	6263	6263	6263	
5°	6132	6130	6119	6111	6106	569
15°	3902	3872	3778	3761	3732	1031
25°	403	444	573	598	598	259
35°	25	33	39	43	36	23
45°	2	2	2	2	2	2
55°	0	0	0	0	0	1
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6263.1	6263.1	6263.1	6263.1	6263.1
1°	6259.9	6259.9	6256.6	6256.6	6250.0
2°	6245.1	6246.8	6240.2	6238.6	6233.7
3°	6222.2	6217.3	6217.3	6214.0	6210.7
4°	6186.2	6176.4	6173.1	6174.7	6168.2
5°	6132.1	6130.5	6119.0	6110.9	6105.9
6°	6073.2	6061.7	6037.2	6015.9	6011.0
7°	5984.8	5960.2	5938.9	5894.7	5888.2
8°	5876.7	5837.4	5791.6	5729.3	5726.1
9°	5744.1	5680.2	5616.4	5532.8	5503.4
10°	5555.8	5496.8	5388.8	5315.1	5257.8
11°	5321.6	5247.9	5121.9	5033.4	4985.9
12°	5056.4	4987.6	4840.2	4760.0	4692.8
13°	4715.8	4658.5	4520.9	4432.5	4380.1
14°	4321.2	4278.6	4147.6	4108.3	4090.3
15°	3902.0	3872.5	3777.5	3761.2	3731.7
17.5°	2872.0	2822.9	2768.9	2778.7	2788.5
20°	1760.2	1829.0	1820.8	1856.8	1884.7
22.5°	877.7	966.1	1069.2	1131.5	1162.6
25°	402.8	443.7	573.1	597.7	597.7
27.5°	203.0	212.9	270.2	275.1	288.2
30°	113.0	121.2	129.4	144.1	145.7
32.5°	57.3	67.1	70.4	78.6	75.3
35°	24.6	32.7	39.3	42.6	36.0
37.5°	11.5	14.7	21.3	19.6	14.7
40°	4.9	6.5	9.8	8.2	6.5
42.5°	3.3	3.3	4.9	3.3	3.3
45°	1.6	1.6	1.6	1.6	1.6
47.5°	1.6	1.6	0.0	1.6	1.6
50°	1.6	0.0	0.0	0.0	1.6
52.5°	1.6	0.0	0.0	0.0	1.6
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)