

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: P1258141

Luminaire Tested: P3AS20R359040D010 E3PH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1258141
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: P3AS20R359040D010 E3PH1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , E3PH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

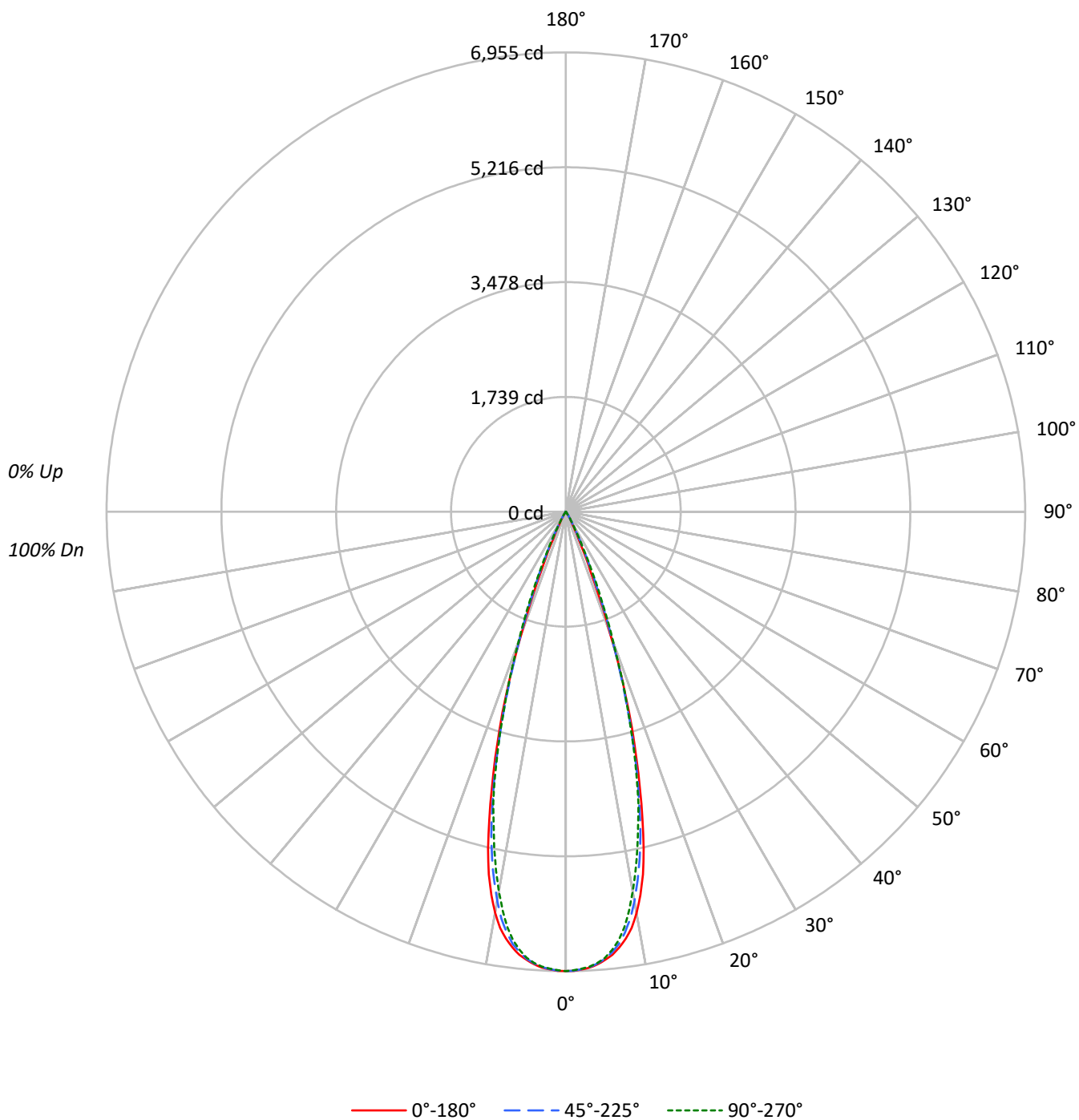
Lumens per Lamp: N/A
Luminaire Lumens: 2111.0 lumens
Efficiency: N/A
Efficacy: 73.3 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	83
5	101	95	91	88	100	95	91	88	93	90	87	92	89	87	90	88	86	85	82	80
6	98	92	88	85	97	91	88	85	90	87	84	89	86	84	88	85	83	82	79	77
7	96	89	85	82	94	89	85	82	87	84	81	86	83	81	85	83	81	78	76	74
8	93	86	82	79	92	86	82	79	85	81	79	84	81	79	83	80	78	75	73	71
9	90	84	80	77	89	83	79	77	82	79	76	82	79	76	81	78	76	73	71	69
10	88	81	77	75	87	81	77	74	80	77	74	80	76	74	79	76	74	71	69	67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1525097	1525097	1525097
5°	1498918	1495704	1492512
10°	1373722	1332418	1300043
15°	983661	952287	940732
20°	456136	471841	488386
25°	108224	153977	160582
30°	31777	36360	40968
35°	7308	11671	10708
40°	1574	3120	2090
45°	558	558	558
50°	614	0	614
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: 648 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	624.4	29.6
10°-20°	1116.3	52.9
20°-30°	335.8	15.9
30°-40°	32.1	1.5
40°-50°	2.2	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°	2076.5	98.4
0°-40°	2108.7	99.9
0°-60°	2111.0	100.0
0°-90°	2111.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2111.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6955	6955	6955	6955	6955	
5°	6810	6808	6795	6786	6780	631
15°	4333	4300	4195	4177	4144	1144
25°	447	493	636	664	664	288
35°	27	36	44	47	40	25
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°	6955.0	6955.0	6955.0	6955.0	6955.0
1°	6951.4	6951.4	6947.7	6947.7	6940.5
2°	6935.0	6936.8	6929.6	6927.7	6922.3
3°	6909.6	6904.1	6904.1	6900.5	6896.8
4°	6869.6	6858.6	6855.0	6856.8	6849.6
5°	6809.6	6807.7	6795.0	6785.9	6780.5
6°	6744.1	6731.4	6704.1	6680.5	6675.0
7°	6645.9	6618.6	6595.0	6545.9	6538.6
8°	6525.9	6482.3	6431.3	6362.2	6358.6
9°	6378.6	6307.7	6236.8	6144.1	6111.3
10°	6169.5	6104.0	5984.0	5902.2	5838.6
11°	5909.5	5827.7	5687.7	5589.5	5536.7
12°	5614.9	5538.6	5374.9	5285.8	5211.3
13°	5236.7	5173.1	5020.3	4922.2	4864.0
14°	4798.5	4751.2	4605.8	4562.1	4542.1
15°	4333.0	4300.3	4194.8	4176.6	4143.9
17.5°	3189.3	3134.8	3074.8	3085.7	3096.6
20°	1954.7	2031.0	2022.0	2062.0	2092.9
22.5°	974.6	1072.8	1187.4	1256.4	1291.0
25°	447.3	492.8	636.4	663.7	663.7
27.5°	225.5	236.4	300.0	305.5	320.0
30°	125.5	134.6	143.6	160.0	161.8
32.5°	63.6	74.6	78.2	87.3	83.6
35°	27.3	36.4	43.6	47.3	40.0
37.5°	12.7	16.4	23.6	21.8	16.4
40°	5.5	7.3	10.9	9.1	7.3
42.5°	3.6	3.6	5.5	3.6	3.6
45°	1.8	1.8	1.8	1.8	1.8
47.5°	1.8	1.8	0.0	1.8	1.8
50°	1.8	0.0	0.0	0.0	1.8
52.5°	1.8	0.0	0.0	0.0	1.8
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)