

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: P1287174

Luminaire Tested: P3AS13R359030D2WDE010 E3PH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1287174
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: P3AS13R359030D2WDE010 E3PH1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , E3PH1M'
TRIM
Light Source: -
Ballast/Driver: -

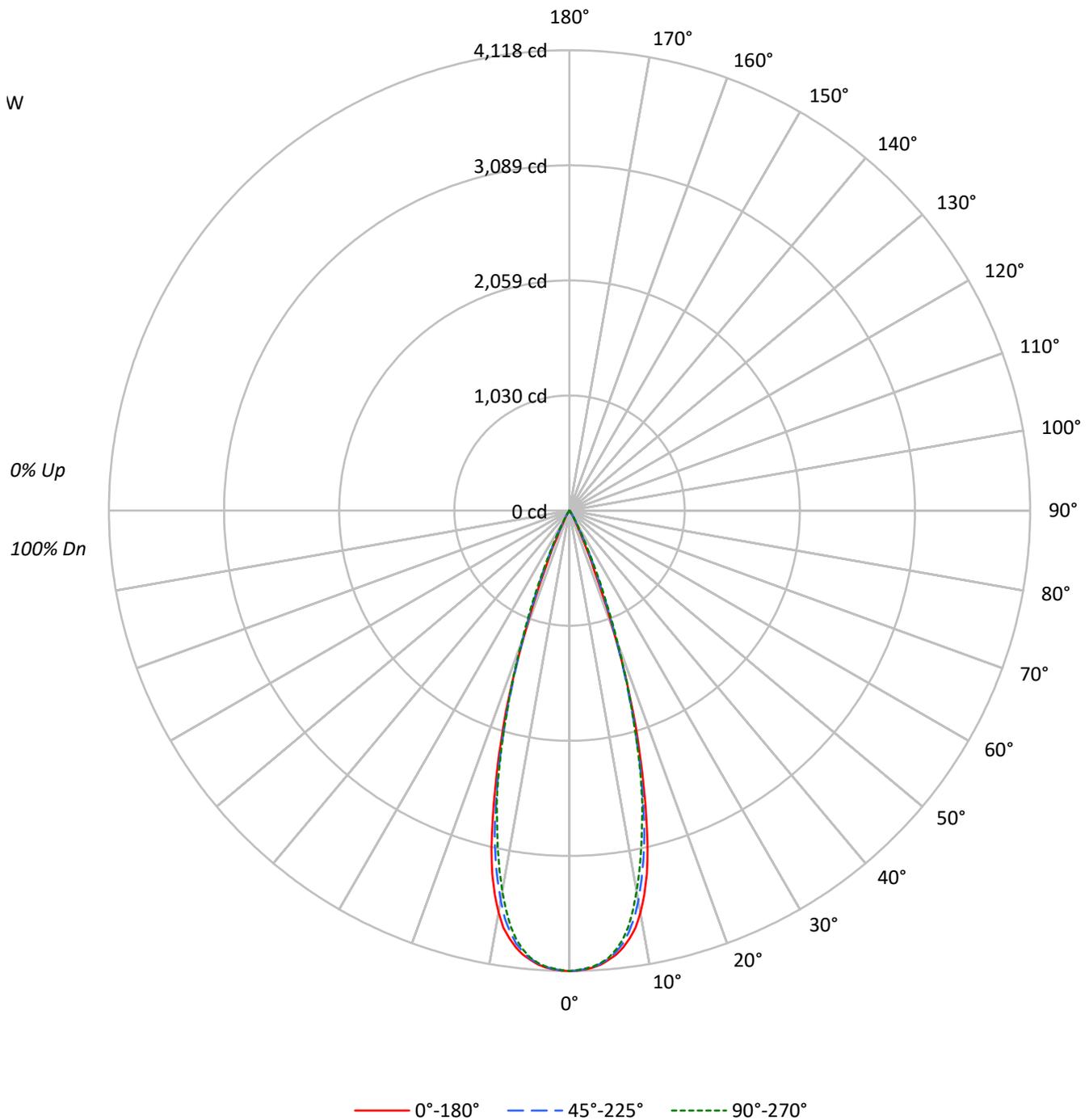
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1250.0 lumens
Efficiency: N/A
Efficacy: 62.2 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): 20.1
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		0	
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	94	93	92
3	108	103	100	97	106	102	99	96	99	97	94	97	95	93	95	93	92	91	90	89
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	93	90	89	88	87	86
5	101	95	91	88	100	95	91	88	93	90	87	92	89	87	90	88	86	85	84	83
6	98	92	88	85	97	91	88	85	90	87	84	89	86	84	88	85	83	82	81	80
7	96	89	85	82	94	89	85	82	87	84	81	86	83	81	85	83	81	80	79	78
8	93	86	82	79	92	86	82	79	85	81	79	84	81	79	83	80	78	77	76	75
9	90	84	80	77	89	83	79	77	82	79	76	82	79	76	81	78	76	75	74	73
10	88	81	77	75	87	81	77	74	80	77	74	80	76	74	79	76	74	73	72	71

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	903064	903064	903064
5°	887561	885668	883775
10°	813434	788986	769792
15°	582455	563885	557052
20°	270083	279394	289195
25°	64092	91167	95086
30°	18813	21548	24257
35°	4337	6906	6344
40°	916	1861	1231
45°	341	341	341
50°	375	0	375
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: 396 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	369.7	29.6
10°-20°	661.0	52.9
20°-30°	198.9	15.9
30°-40°	19.0	1.5
40°-50°	1.3	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°	1229.6	98.4
0°-40°	1248.6	99.9
0°-60°	1250.0	100.0
0°-90°	1250.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1250.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4118	4118	4118	4118	4118	
5°	4032	4031	4024	4018	4015	374
15°	2566	2546	2484	2473	2454	678
25°	265	292	377	393	393	171
35°	16	22	26	28	24	15
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°	4118.3	4118.3	4118.3	4118.3	4118.3
1°	4116.2	4116.2	4114.0	4114.0	4109.7
2°	4106.5	4107.6	4103.2	4102.2	4098.9
3°	4091.4	4088.2	4088.2	4086.0	4083.9
4°	4067.7	4061.3	4059.1	4060.2	4055.9
5°	4032.2	4031.1	4023.6	4018.2	4015.0
6°	3993.4	3985.9	3969.7	3955.7	3952.5
7°	3935.3	3919.1	3905.1	3876.1	3871.8
8°	3864.2	3838.4	3808.2	3767.3	3765.2
9°	3777.0	3735.0	3693.0	3638.1	3618.7
10°	3653.2	3614.4	3543.4	3494.9	3457.2
11°	3499.2	3450.8	3367.9	3309.7	3278.5
12°	3324.8	3279.6	3182.7	3129.9	3085.8
13°	3100.9	3063.2	2972.7	2914.6	2880.1
14°	2841.4	2813.4	2727.2	2701.4	2689.6
15°	2565.7	2546.4	2483.9	2473.1	2453.8
17.5°	1888.5	1856.2	1820.7	1827.1	1833.6
20°	1157.4	1202.7	1197.3	1221.0	1239.3
22.5°	577.1	635.2	703.1	744.0	764.4
25°	264.9	291.8	376.8	393.0	393.0
27.5°	133.5	140.0	177.7	180.9	189.5
30°	74.3	79.7	85.1	94.7	95.8
32.5°	37.7	44.1	46.3	51.7	49.5
35°	16.2	21.5	25.8	28.0	23.7
37.5°	7.5	9.7	14.0	12.9	9.7
40°	3.2	4.3	6.5	5.4	4.3
42.5°	2.2	2.2	3.2	2.2	2.2
45°	1.1	1.1	1.1	1.1	1.1
47.5°	1.1	1.1	0.0	1.1	1.1
50°	1.1	0.0	0.0	0.0	1.1
52.5°	1.1	0.0	0.0	0.0	1.1
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)