

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: P1306590

Luminaire Tested: P3SQAS05R359027DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306590
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R359027DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

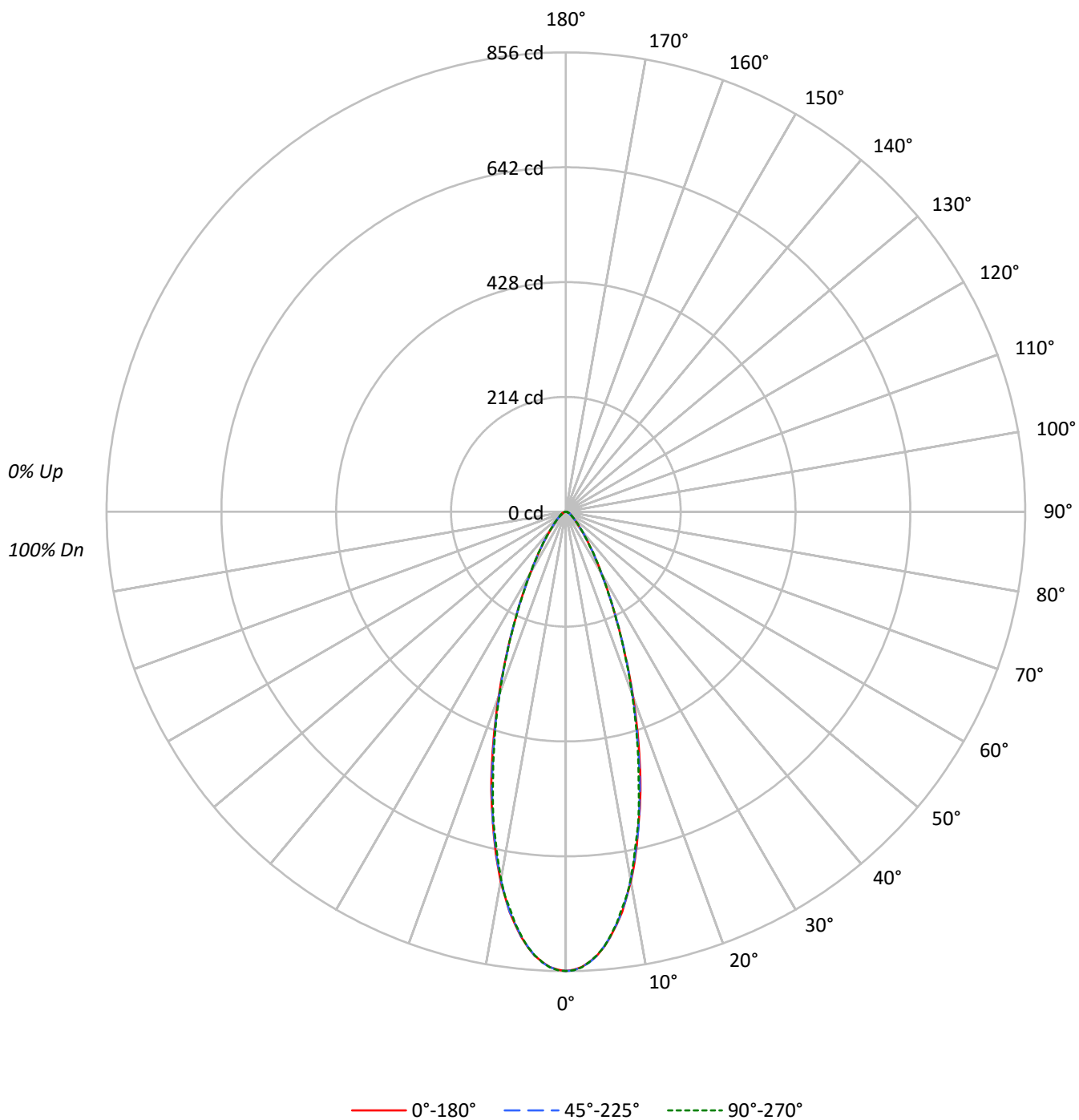
Lumens per Lamp: N/A
Luminaire Lumens: 422.0 lumens
Efficiency: N/A
Efficacy: 58.6 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	114	111	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88
4	98	91	86	82	96	90	85	81	88	84	80		86	82	79		84
5	94	86	80	76	92	85	80	76	83	79	75		82	78	75		80
6	90	81	76	72	88	81	75	71	79	74	71		78	74	70		76
7	86	77	72	68	85	77	71	67	75	71	67		74	70	67		73
8	82	73	68	64	81	73	68	64	72	67	64		71	67	63		70
9	79	70	65	61	78	70	64	61	69	64	61		68	63	60		67
10	76	67	62	58	75	67	61	58	66	61	58		65	61	58		64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	147371	147371	147371
5°	140811	140569	140811
10°	122241	121839	121681
15°	95800	95051	93535
20°	67024	66419	65979
25°	42566	42832	42566
30°	26230	26409	26230
35°	16231	16315	16315
40°	10297	10409	10409
45°	6941	7063	7185
50°	5010	5144	5144
55°	3933	3933	3933
60°	3238	3238	3238
65°	2853	2853	2853
70°	2568	2568	2568
75°	2196	2196	2196
80°	1884	1884	1884
85°	988	988	1778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 7185 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.9	17.5
10°-20°	145.6	34.5
20°-30°	105.0	24.9
30°-40°	50.6	12.0
40°-50°	23.4	5.5
50°-60°	12.1	2.9
60°-70°	7.0	1.7
70°-80°	3.5	0.8
80°-90°	0.8	0.2
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°	324.6	76.9
0°-40°	375.2	88.9
0°-60°	410.7	97.3
0°-90°	422.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	422.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	856	856	856	856	856	
5°	814	816	813	814	814	74
15°	537	536	533	531	525	146
25°	224	224	225	225	224	105
35°	77	77	78	78	78	50
45°	28	29	29	30	30	23
55°	13	13	13	13	13	12
65°	7	7	7	7	7	7
75°	3	3	3	3	3	4
85°	0	0	0	0	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	855.7	855.7	855.7	855.7	855.7
1°	853.3	854.8	854.3	854.8	854.3
2°	849.1	850.1	849.1	849.6	849.6
3°	840.3	841.2	841.2	840.7	840.3
4°	829.5	831.8	829.5	830.0	828.6
5°	814.5	816.4	813.1	813.6	814.5
6°	796.3	796.8	795.8	795.4	794.4
7°	775.3	777.1	773.9	774.3	773.4
8°	752.8	752.3	752.3	750.5	747.7
9°	725.7	727.6	724.8	723.8	724.3
10°	699.0	699.0	696.7	694.4	695.8
11°	668.7	667.7	666.3	663.0	662.1
12°	635.5	637.3	633.1	631.7	628.4
13°	601.3	604.1	602.3	597.1	597.6
14°	569.5	567.7	566.2	565.3	562.0
15°	537.3	536.3	533.1	530.7	524.6
17.5°	448.9	449.8	443.7	442.8	440.5
20°	365.7	362.8	362.4	362.8	360.0
22.5°	288.5	291.3	288.0	288.5	286.6
25°	224.0	224.4	225.4	225.4	224.0
27.5°	173.9	173.9	173.0	173.9	172.5
30°	131.9	131.9	132.8	133.7	131.9
32.5°	101.9	101.9	101.9	102.4	102.9
35°	77.2	77.2	77.6	77.6	77.6
37.5°	59.4	59.9	60.3	60.3	60.3
40°	45.8	46.3	46.3	46.8	46.3
42.5°	36.5	36.5	36.5	36.9	36.9
45°	28.5	29.0	29.0	29.5	29.5
47.5°	23.4	23.4	23.4	23.8	23.8
50°	18.7	19.2	19.2	19.2	19.2
52.5°	15.4	15.4	15.9	15.9	15.9
55°	13.1	13.1	13.1	13.1	13.1
57.5°	10.8	11.2	11.2	11.2	11.2
60°	9.4	9.4	9.4	9.4	9.4
62.5°	7.9	7.9	7.9	7.9	7.9
65°	7.0	7.0	7.0	7.0	7.0
67.5°	5.6	6.1	6.1	6.1	6.1
70°	5.1	5.1	5.1	5.1	5.1
72.5°	3.7	4.2	4.2	4.2	4.2
75°	3.3	3.3	3.3	3.3	3.3
77.5°	2.8	2.3	2.3	2.3	2.8
80°	1.9	1.9	1.9	1.9	1.9
82.5°	1.4	1.4	1.4	1.4	1.4
85°	0.5	0.5	0.5	0.5	0.9
87.5°	0.0	0.0	0.0	0.5	0.5



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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)