

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: P1314028

Luminaire Tested: P3SQAS05R209735DE010 E3SQPH1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314028
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R209735DE010 E3SQPH1MMS
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 97CRI , E3SQPH1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

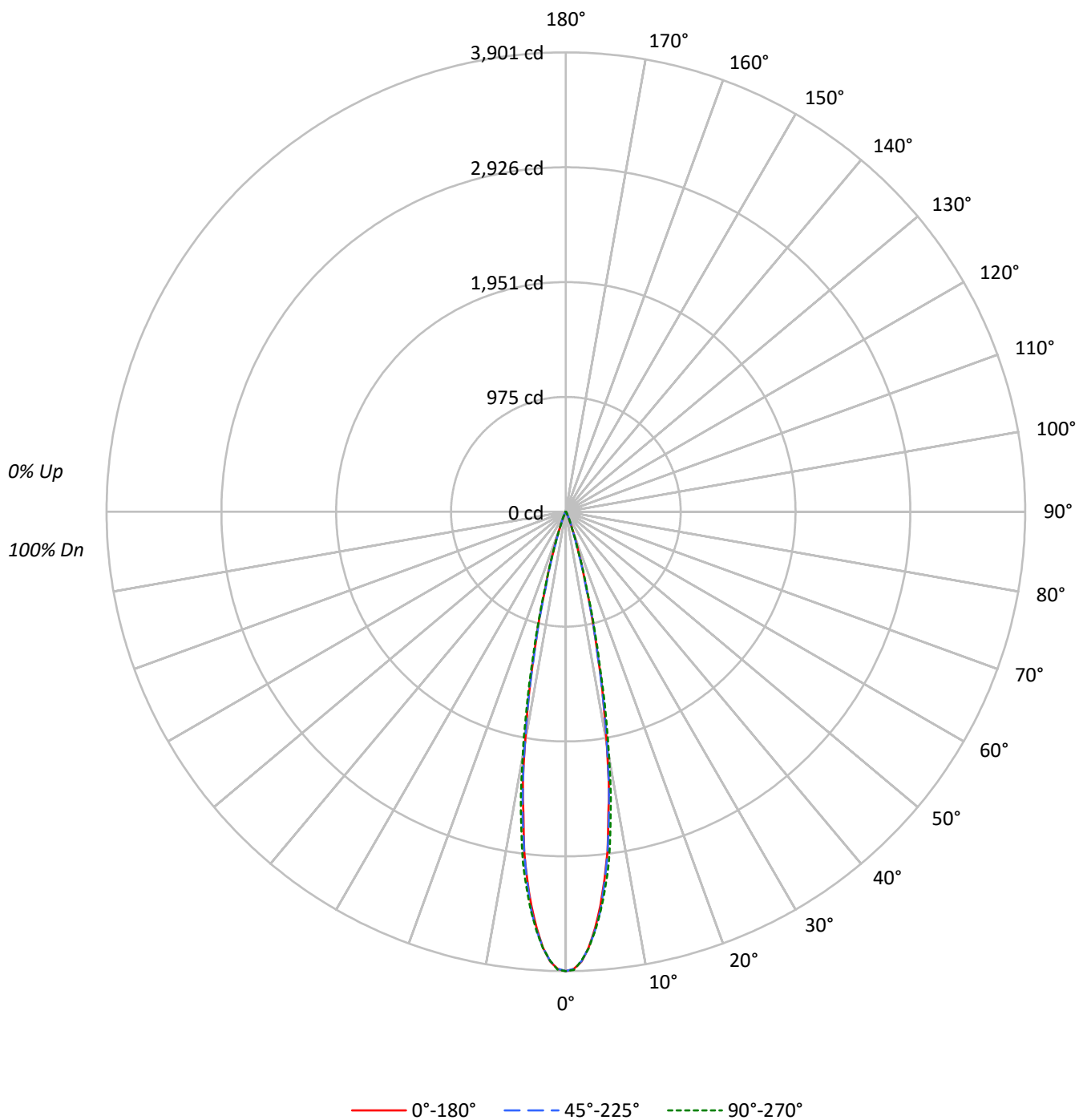
Lumens per Lamp: N/A
Luminaire Lumens: 524.0 lumens
Efficiency: N/A
Efficacy: 72.8 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	95	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	92	92	91
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	90	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	88	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	87	87	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85	85	85
10	95	90	87	85	95	90	87	85	89	86	84	88	86	84	88	86	84	84	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	671892	671892	671892
5°	580446	585840	588036
10°	349427	352679	370237
15°	120850	118033	127430
20°	31743	29856	29947
25°	6917	8342	9501
30°	2963	2963	3063
35°	1661	1472	1577
40°	742	832	944
45°	219	341	341
50°	134	134	134
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: 22.5°

Vertical Angle: 45°

Luminance: 341 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	279.0	53.3
10°-20°	212.4	40.5
20°-30°	26.3	5.0
30°-40°	5.0	0.9
40°-50°	1.2	0.2
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°	517.8	98.8
0°-40°	522.7	99.8
0°-60°	524.0	100.0
0°-90°	524.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	524.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3901	3901	3901	3901	3901	
5°	3358	3355	3389	3386	3401	277
15°	678	654	662	702	715	212
25°	36	42	44	46	50	25
35°	8	8	7	8	8	5
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°	3901.3	3901.3	3901.3	3901.3	3901.3
1°	3883.1	3878.5	3882.2	3874.3	3890.6
2°	3821.0	3816.4	3816.4	3811.7	3814.0
3°	3705.3	3712.7	3708.1	3698.3	3710.9
4°	3547.5	3555.9	3563.3	3563.8	3565.7
5°	3357.5	3355.1	3388.7	3386.4	3401.4
6°	3140.9	3138.1	3152.5	3176.8	3206.7
7°	2902.8	2868.7	2907.4	2956.5	2996.6
8°	2594.7	2603.5	2630.1	2688.0	2720.2
9°	2333.2	2281.4	2337.9	2407.0	2442.0
10°	1998.1	1956.0	2016.7	2089.5	2117.1
12.5°	1257.7	1221.2	1240.8	1317.4	1329.5
15°	677.8	653.6	662.0	701.7	714.7
17.5°	345.9	324.0	319.3	344.5	347.3
20°	173.2	168.1	162.9	165.3	163.4
22.5°	80.3	87.3	86.4	81.7	87.3
25°	36.4	41.5	43.9	45.7	50.0
27.5°	22.4	21.5	24.7	26.6	27.1
30°	14.9	14.5	14.9	15.4	15.4
32.5°	10.7	10.3	9.8	9.8	10.3
35°	7.9	7.9	7.0	7.5	7.5
37.5°	5.6	5.6	5.1	5.6	5.6
40°	3.3	3.7	3.7	3.7	4.2
42.5°	1.9	2.3	2.3	2.3	2.3
45°	0.9	1.4	1.4	1.4	1.4
47.5°	0.5	0.5	0.5	0.9	0.9
50°	0.5	0.5	0.5	0.5	0.5
52.5°	0.5	0.0	0.0	0.0	0.5
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
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)