

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: P1309991

Luminaire Tested: P3SQAS05R609040DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309991
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R609040DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

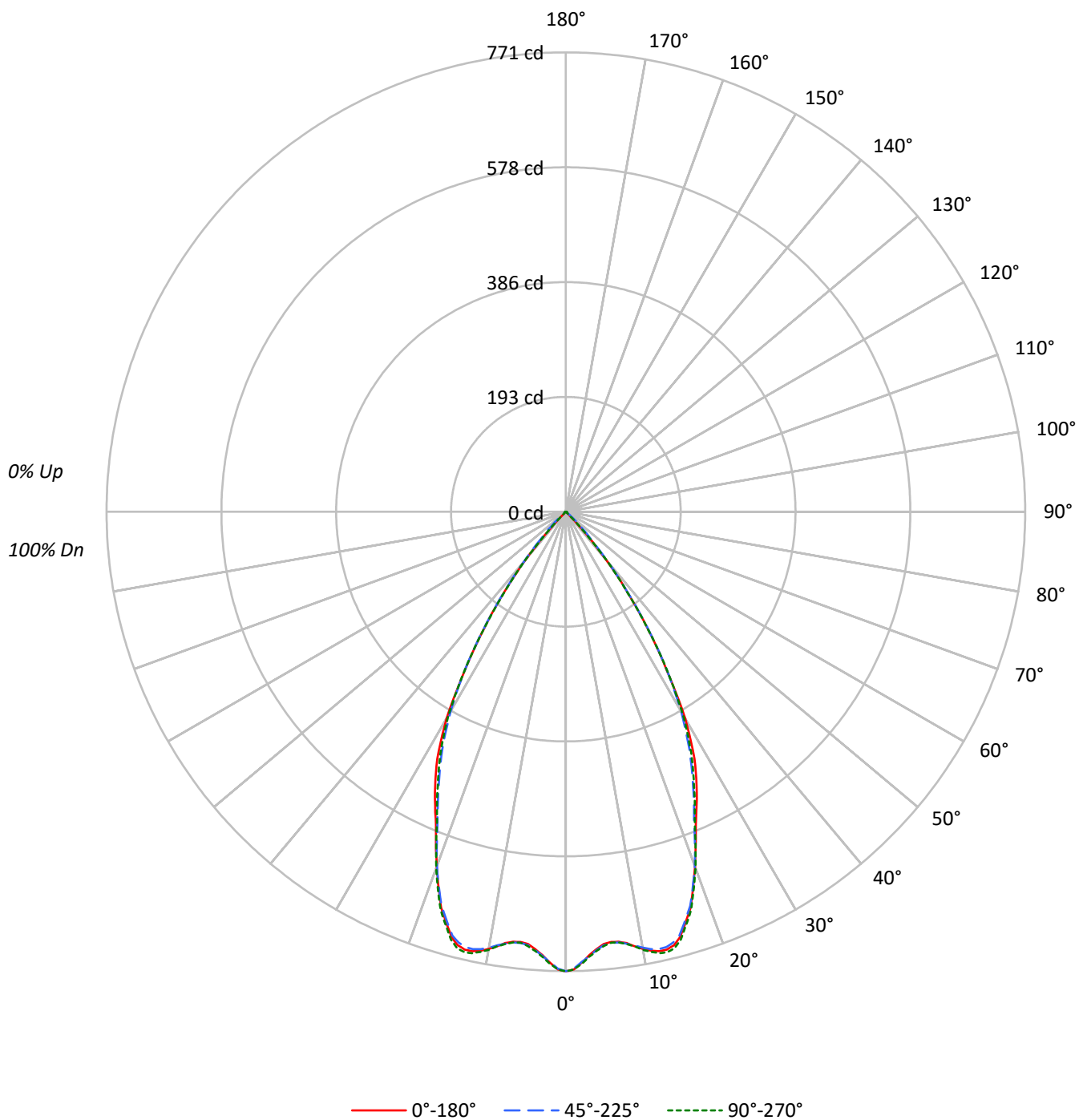
Lumens per Lamp: N/A
Luminaire Lumens: 688.0 lumens
Efficiency: N/A
Efficacy: 95.6 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.92 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	107	105	105	103	101		101	100	98		98
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	84		88
4	98	90	85	81	96	89	84	80	87	83	79		85	81	79		83
5	93	85	79	75	91	84	79	75	82	77	74		80	76	73		79
6	88	80	74	70	87	79	73	69	77	73	69		76	72	68		75
7	84	75	69	65	83	74	69	65	73	68	64		72	67	64		71
8	80	71	65	61	79	70	65	61	69	64	60		68	64	60		67
9	76	67	61	57	75	66	61	57	65	60	57		65	60	57		64
10	73	63	58	54	72	63	57	54	62	57	54		61	57	53		61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	132835	132835	132835
5°	125909	126272	126462
10°	130285	129900	130565
15°	131869	131299	132636
20°	116105	116013	116600
25°	98814	95944	96762
30°	79745	76961	78254
35°	50480	50921	50354
40°	23606	24573	23966
45°	1437	8646	1705
50°	723	2009	723
55°	811	811	811
60°	758	758	758
65°	652	897	652
70°	806	806	806
75°	732	732	732
80°	496	496	496
85°	988	988	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 8646 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.3	10.2
10°-20°	202.5	29.4
20°-30°	233.4	33.9
30°-40°	149.9	21.8
40°-50°	26.1	3.8
50°-60°	2.5	0.4
60°-70°	1.9	0.3
70°-80°	1.1	0.2
80°-90°	0.3	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°	506.2	73.6
0°-40°	656.1	95.4
0°-60°	684.6	99.5
0°-90°	688.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	688.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	771	771	771	771	771	
5°	728	730	730	732	732	70
15°	740	737	736	741	744	203
25°	520	514	505	505	509	237
35°	240	238	242	237	240	150
45°	6	18	36	21	7	20
55°	3	3	3	3	3	2
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
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°	771.3	771.3	771.3	771.3	771.3
1°	768.1	767.6	767.0	767.6	768.1
2°	757.4	756.8	756.3	758.4	759.5
3°	745.5	746.0	746.6	747.7	748.2
4°	735.8	736.9	737.4	738.5	739.1
5°	728.3	729.9	730.4	732.1	731.5
6°	726.1	727.2	727.7	728.3	727.2
7°	727.2	727.7	728.3	729.4	728.3
8°	731.0	731.5	732.1	732.6	732.6
9°	738.5	737.4	736.9	739.1	738.5
10°	745.0	743.4	742.8	746.0	746.6
11°	750.4	748.2	747.7	751.4	752.5
12°	754.1	750.9	750.4	755.2	757.4
13°	754.1	749.8	749.8	755.2	758.4
14°	749.8	745.0	745.0	750.9	754.7
15°	739.6	736.9	736.4	741.2	743.9
17.5°	696.5	693.3	693.8	699.2	699.8
20°	633.5	631.9	633.0	634.1	636.2
22.5°	569.5	568.4	562.5	564.1	565.2
25°	520.0	514.1	504.9	505.4	509.2
27.5°	467.8	461.8	448.9	451.6	455.4
30°	401.0	396.2	387.0	388.6	393.5
32.5°	314.9	324.6	316.0	318.7	317.0
35°	240.1	238.5	242.2	237.4	239.5
37.5°	169.0	169.6	171.2	166.9	166.9
40°	105.0	107.7	109.3	107.1	106.6
42.5°	44.1	60.3	63.5	60.3	44.7
45°	5.9	17.8	35.5	21.0	7.0
47.5°	2.7	3.8	18.8	3.8	2.7
50°	2.7	2.7	7.5	2.7	2.7
52.5°	2.7	2.7	2.7	2.7	2.7
55°	2.7	2.7	2.7	2.7	2.7
57.5°	2.7	2.7	2.7	2.7	2.7
60°	2.2	2.2	2.2	2.2	2.2
62.5°	2.2	2.2	2.2	2.2	2.2
65°	1.6	2.2	2.2	2.2	1.6
67.5°	1.6	1.6	1.6	1.6	1.6
70°	1.6	1.6	1.6	1.6	1.6
72.5°	1.1	1.1	1.1	1.1	1.1
75°	1.1	1.1	1.1	1.1	1.1
77.5°	1.1	1.1	1.1	1.1	1.1
80°	0.5	0.5	0.5	0.5	0.5
82.5°	0.5	0.5	0.5	0.5	0.5
85°	0.5	0.5	0.5	0.5	0.5
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)