

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: P1306309

Luminaire Tested: P3SQAS20R709024D010 E3SQCLDWW1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306309
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-45)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R709024D010 E3SQCLDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3SQCLDWW1MW TRI
Light Source: -
Ballast/Driver: -

Summary

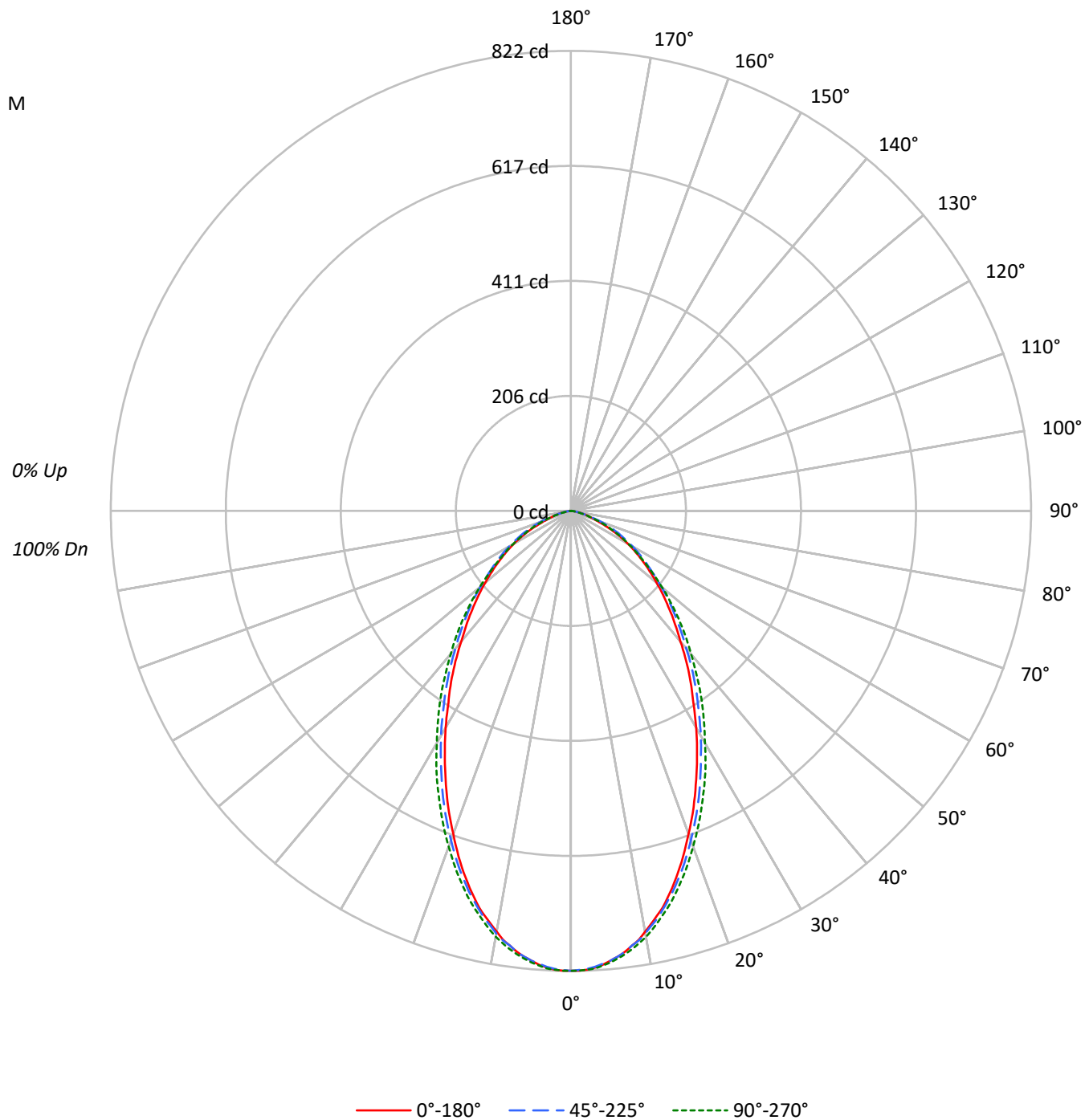
Lumens per Lamp: N/A
Luminaire Lumens: 1234.0 lumens
Efficiency: N/A
Efficacy: 42.8 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	111	107	104	101	109	105	102	99	101	98	96		97	95	93		94
2	103	96	91	86	101	95	89	85	91	87	83		88	84	81		85
3	95	87	80	75	93	85	79	74	82	77	73		80	75	71		77
4	89	78	71	65	87	77	70	65	75	69	64		73	67	63		71
5	83	71	64	58	81	70	63	58	68	62	57		67	61	57		65
6	77	65	58	52	75	64	57	52	63	56	51		61	55	51		60
7	72	60	52	47	70	59	52	47	58	51	47		57	51	46		55
8	68	56	48	43	66	55	48	43	54	47	42		53	47	42		51
9	64	52	44	39	62	51	44	39	50	44	39		49	43	39		48
10	60	48	41	36	59	48	41	36	47	40	36		46	40	36		45

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	141533	141533	141533
5°	139497	139497	140016
10°	133555	134063	135112
15°	124452	125522	127109
20°	112623	114804	117003
25°	100619	103451	106282
30°	88992	92254	95217
35°	78400	81848	85296
40°	68413	72100	75113
45°	60671	63934	66126
50°	53559	56346	57150
55°	47021	49723	48372
60°	40576	43676	41609
65°	32234	37695	34027
70°	23264	29306	25530
75°	17833	18831	15903
80°	11802	11802	8827
85°	5928	5928	5928

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 66126 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.7	6.1
10°-20°	196.7	15.9
20°-30°	249.9	20.3
30°-40°	243.1	19.7
40°-50°	202.1	16.4
50°-60°	145.8	11.8
60°-70°	85.8	7.0
70°-80°	30.4	2.5
80°-90°	4.5	0.4
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°	522.4	42.3
0°-40°	765.5	62.0
0°-60°	1113.4	90.2
0°-90°	1234.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1234.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	822	822	822	822	822	
5°	807	805	807	807	810	76
15°	698	698	704	708	713	195
25°	530	536	544	555	559	243
35°	373	377	389	400	406	233
45°	249	254	262	268	272	193
55°	157	161	166	164	161	141
65°	79	85	92	88	84	79
75°	27	28	28	25	24	29
85°	3	3	3	3	3	4
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	821.8	821.8	821.8	821.8	821.8
1°	821.8	820.3	820.3	820.3	821.8
2°	820.3	818.8	818.8	818.8	820.3
3°	817.4	815.9	815.9	815.9	818.8
4°	812.9	809.9	811.4	811.4	814.4
5°	806.9	805.4	806.9	806.9	809.9
6°	800.9	799.5	800.9	800.9	803.9
7°	793.5	792.0	793.5	795.0	798.0
8°	784.5	783.1	784.5	786.0	790.5
9°	775.6	774.1	777.1	778.6	781.6
10°	763.7	763.7	766.6	768.1	772.6
11°	751.7	751.7	754.7	757.7	762.2
12°	739.8	739.8	744.3	747.3	750.2
13°	727.9	726.4	730.8	733.8	738.3
14°	712.9	711.5	717.4	721.9	726.4
15°	698.0	698.0	704.0	708.5	712.9
17.5°	657.8	659.3	666.7	672.7	677.2
20°	614.5	619.0	626.4	633.9	638.4
22.5°	572.7	575.7	586.2	595.1	599.6
25°	529.5	535.5	544.4	554.8	559.3
27.5°	487.7	493.7	502.6	513.1	520.5
30°	447.5	451.9	463.9	474.3	478.8
32.5°	407.2	413.2	425.1	435.5	441.5
35°	372.9	377.4	389.3	399.7	405.7
37.5°	338.6	343.1	355.0	363.9	368.4
40°	304.3	311.7	320.7	329.6	334.1
42.5°	275.9	281.9	290.8	298.3	302.8
45°	249.1	253.6	262.5	268.5	271.5
47.5°	223.7	228.2	237.2	240.1	241.6
50°	199.9	204.3	210.3	211.8	213.3
52.5°	177.5	180.5	186.4	186.4	184.9
55°	156.6	161.1	165.6	164.1	161.1
57.5°	137.2	138.7	146.2	143.2	140.2
60°	117.8	120.8	126.8	123.8	120.8
62.5°	98.4	101.4	108.9	105.9	101.4
65°	79.1	85.0	92.5	88.0	83.5
67.5°	59.7	67.1	74.6	70.1	67.1
70°	46.2	52.2	58.2	53.7	50.7
72.5°	35.8	38.8	41.8	38.8	35.8
75°	26.8	28.3	28.3	25.4	23.9
77.5°	19.4	20.9	17.9	14.9	14.9
80°	11.9	13.4	11.9	8.9	8.9
82.5°	6.0	7.5	6.0	6.0	6.0
85°	3.0	3.0	3.0	3.0	3.0
87.5°	1.5	1.5	1.5	1.5	1.5



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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)