

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: P1316622

Luminaire Tested: P3SQAS20R709827D010 E3SQCLDWW1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316622
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: P3SQAS20R709827D010 E3SQCLDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3SQCLDWW1MW TRI
Light Source: -
Ballast/Driver: -

Summary

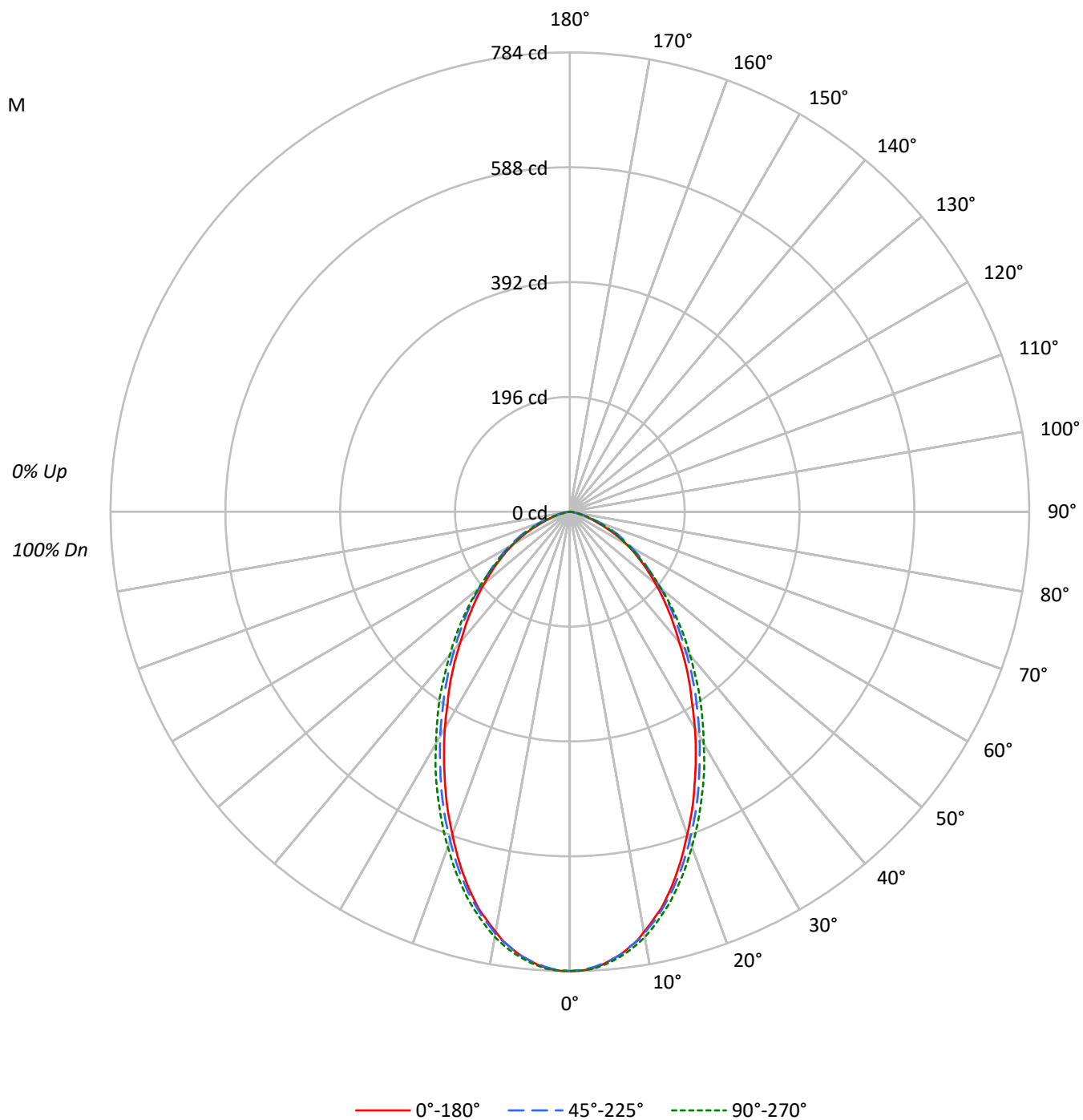
Lumens per Lamp: N/A
Luminaire Lumens: 1177.0 lumens
Efficiency: N/A
Efficacy: 43.0 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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°	135005	135005	135005
5°	133049	133049	133550
10°	127382	127872	128869
15°	118711	119727	121243
20°	107418	109507	111596
25°	95963	98681	101379
30°	84876	87978	90822
35°	74784	78064	81365
40°	65243	68773	71650
45°	57870	60987	63058
50°	51068	53747	54497
55°	44859	47411	46120
60°	38716	41643	39680
65°	30727	35943	32479
70°	22206	27947	24372
75°	17035	17966	15172
80°	11306	11306	8430
85°	5533	5533	5533

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 63058 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.2	6.1
10°-20°	187.6	15.9
20°-30°	238.4	20.3
30°-40°	231.9	19.7
40°-50°	192.8	16.4
50°-60°	139.0	11.8
60°-70°	81.8	7.0
70°-80°	29.0	2.5
80°-90°	4.2	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°	498.2	42.3
0°-40°	730.1	62.0
0°-60°	1061.9	90.2
0°-90°	1177.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1177.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	784	784	784	784	784	
5°	770	768	770	770	772	72
15°	666	666	672	676	680	186
25°	505	511	519	529	534	232
35°	356	360	371	381	387	222
45°	238	242	250	256	259	184
55°	149	154	158	156	154	134
65°	75	81	88	84	80	75
75°	26	27	27	24	23	28
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°	783.9	783.9	783.9	783.9	783.9
1°	783.9	782.4	782.4	782.4	783.9
2°	782.4	781.0	781.0	781.0	782.4
3°	779.6	778.2	778.2	778.2	781.0
4°	775.3	772.5	773.9	773.9	776.8
5°	769.6	768.2	769.6	769.6	772.5
6°	764.0	762.5	764.0	764.0	766.8
7°	756.8	755.4	756.8	758.3	761.1
8°	748.3	746.9	748.3	749.7	754.0
9°	739.8	738.3	741.2	742.6	745.5
10°	728.4	728.4	731.2	732.7	736.9
11°	717.0	717.0	719.9	722.7	727.0
12°	705.6	705.6	709.9	712.7	715.6
13°	694.2	692.8	697.1	699.9	704.2
14°	680.0	678.6	684.3	688.6	692.8
15°	665.8	665.8	671.5	675.7	680.0
17.5°	627.4	628.8	635.9	641.6	645.9
20°	586.1	590.4	597.5	604.6	608.9
22.5°	546.3	549.1	559.1	567.6	571.9
25°	505.0	510.7	519.3	529.2	533.5
27.5°	465.2	470.9	479.4	489.4	496.5
30°	426.8	431.1	442.4	452.4	456.7
32.5°	388.4	394.1	405.4	415.4	421.1
35°	355.7	359.9	371.3	381.3	387.0
37.5°	322.9	327.2	338.6	347.1	351.4
40°	290.2	297.3	305.9	314.4	318.7
42.5°	263.2	268.9	277.4	284.5	288.8
45°	237.6	241.8	250.4	256.1	258.9
47.5°	213.4	217.7	226.2	229.0	230.5
50°	190.6	194.9	200.6	202.0	203.4
52.5°	169.3	172.1	177.8	177.8	176.4
55°	149.4	153.6	157.9	156.5	153.6
57.5°	130.9	132.3	139.4	136.6	133.7
60°	112.4	115.2	120.9	118.1	115.2
62.5°	93.9	96.7	103.9	101.0	96.7
65°	75.4	81.1	88.2	83.9	79.7
67.5°	56.9	64.0	71.1	66.9	64.0
70°	44.1	49.8	55.5	51.2	48.4
72.5°	34.1	37.0	39.8	37.0	34.1
75°	25.6	27.0	27.0	24.2	22.8
77.5°	18.5	19.9	17.1	14.2	14.2
80°	11.4	12.8	11.4	8.5	8.5
82.5°	5.7	7.1	5.7	5.7	5.7
85°	2.8	2.8	2.8	2.8	2.8
87.5°	1.4	1.4	1.4	1.4	1.4



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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)