

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: P1308399

Luminaire Tested: P3SQAS20R709030D010 E3SQCLDWW1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308399
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: P3SQAS20R709030D010 E3SQCLDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3SQCLDWW1MW TRI
Light Source: -
Ballast/Driver: -

Summary

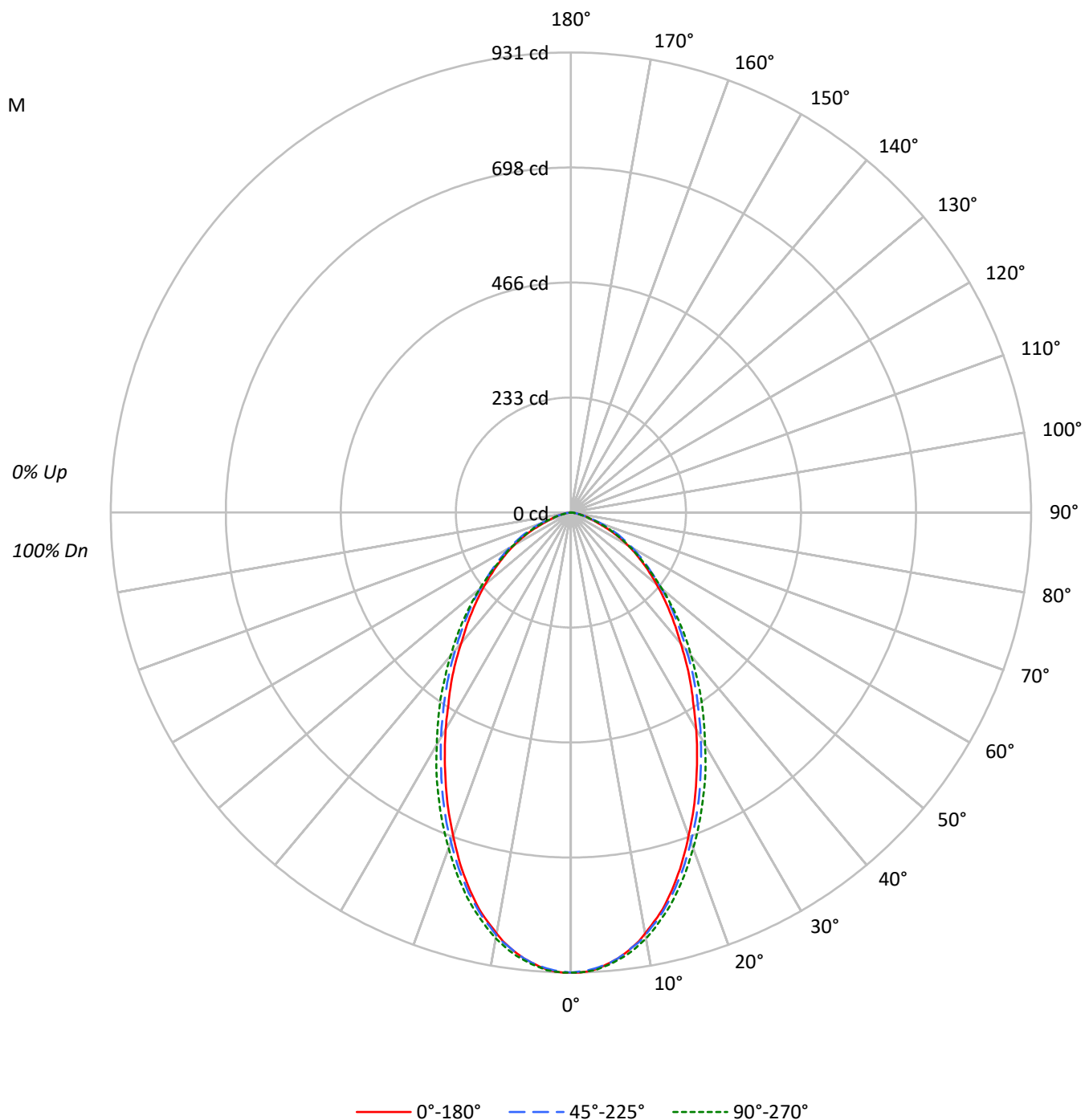
Lumens per Lamp: N/A
Luminaire Lumens: 1398.0 lumens
Efficiency: N/A
Efficacy: 48.5 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	160357	160357	160357
5°	158047	158047	158618
10°	151306	151883	153072
15°	140998	142210	144011
20°	127596	130071	132545
25°	113997	117208	120420
30°	100805	104504	107865
35°	88807	92718	96629
40°	77496	81677	85095
45°	68733	72435	74895
50°	60660	63848	64732
55°	53266	56329	54798
60°	45983	49462	47155
65°	36513	42707	38551
70°	26386	33184	28954
75°	20229	21360	17966
80°	13389	13389	10017
85°	6719	6719	6719

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 74895 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.8	6.1
10°-20°	222.8	15.9
20°-30°	283.1	20.3
30°-40°	275.4	19.7
40°-50°	229.0	16.4
50°-60°	165.1	11.8
60°-70°	97.2	7.0
70°-80°	34.4	2.5
80°-90°	5.1	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°	591.8	42.3
0°-40°	867.2	62.0
0°-60°	1261.4	90.2
0°-90°	1398.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1398.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	931	931	931	931	931	
5°	914	912	914	914	918	86
15°	791	791	798	803	808	221
25°	600	607	617	629	634	275
35°	422	428	441	453	460	264
45°	282	287	297	304	308	218
55°	177	182	188	186	182	159
65°	90	96	105	100	95	89
75°	30	32	32	29	27	33
85°	3	3	3	3	3	5
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	931.1	931.1	931.1	931.1	931.1
1°	931.1	929.4	929.4	929.4	931.1
2°	929.4	927.7	927.7	927.7	929.4
3°	926.0	924.3	924.3	924.3	927.7
4°	920.9	917.5	919.2	919.2	922.6
5°	914.2	912.5	914.2	914.2	917.5
6°	907.4	905.7	907.4	907.4	910.8
7°	898.9	897.3	898.9	900.6	904.0
8°	888.8	887.1	888.8	890.5	895.6
9°	878.7	877.0	880.4	882.0	885.4
10°	865.2	865.2	868.5	870.2	875.3
11°	851.6	851.6	855.0	858.4	863.5
12°	838.1	838.1	843.2	846.6	849.9
13°	824.6	822.9	828.0	831.4	836.4
14°	807.7	806.0	812.8	817.8	822.9
15°	790.8	790.8	797.6	802.6	807.7
17.5°	745.2	746.9	755.3	762.1	767.1
20°	696.2	701.2	709.7	718.1	723.2
22.5°	648.9	652.2	664.1	674.2	679.3
25°	599.9	606.6	616.8	628.6	633.7
27.5°	552.5	559.3	569.4	581.3	589.7
30°	506.9	512.0	525.5	537.3	542.4
32.5°	461.3	468.1	481.6	493.4	500.2
35°	422.4	427.5	441.0	452.9	459.6
37.5°	383.6	388.6	402.2	412.3	417.4
40°	344.7	353.2	363.3	373.4	378.5
42.5°	312.6	319.4	329.5	338.0	343.0
45°	282.2	287.3	297.4	304.2	307.5
47.5°	253.5	258.5	268.7	272.0	273.7
50°	226.4	231.5	238.3	239.9	241.6
52.5°	201.1	204.5	211.2	211.2	209.5
55°	177.4	182.5	187.6	185.9	182.5
57.5°	155.5	157.1	165.6	162.2	158.8
60°	133.5	136.9	143.6	140.2	136.9
62.5°	111.5	114.9	123.4	120.0	114.9
65°	89.6	96.3	104.8	99.7	94.6
67.5°	67.6	76.0	84.5	79.4	76.0
70°	52.4	59.1	65.9	60.8	57.5
72.5°	40.6	43.9	47.3	43.9	40.6
75°	30.4	32.1	32.1	28.7	27.0
77.5°	22.0	23.7	20.3	16.9	16.9
80°	13.5	15.2	13.5	10.1	10.1
82.5°	6.8	8.4	6.8	6.8	6.8
85°	3.4	3.4	3.4	3.4	3.4
87.5°	1.7	1.7	1.7	1.7	1.7



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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)