

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: P1315745

Luminaire Tested: P3SQAS20R709740D010 E3SQCLDWW1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315745
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-46)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R709740D010 E3SQCLDWW1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , E3SQCLDWW1MMS TR
Light Source: -
Ballast/Driver: -

Summary

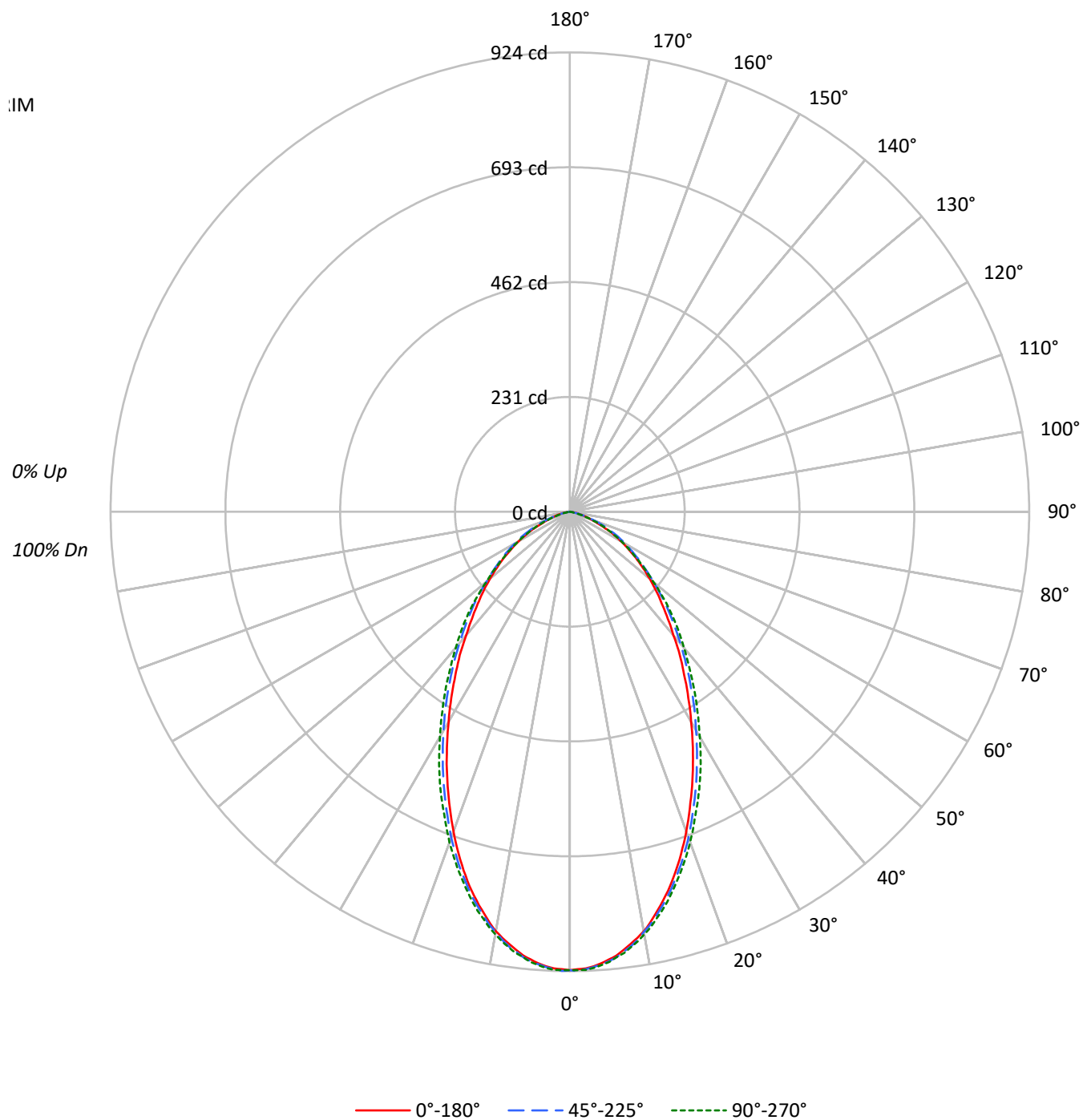
Lumens per Lamp: N/A
Luminaire Lumens: 1320.0 lumens
Efficiency: N/A
Efficacy: 45.8 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 0.99
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	108	104	102	109	106	103	100	101	99	97		98	96	94		94
2	103	97	92	87	101	95	90	86	92	88	84		89	85	82		86
3	96	87	81	76	94	86	80	75	83	78	74		81	76	72		78
4	89	79	72	66	87	78	71	66	76	70	65		74	69	64		72
5	83	72	65	59	81	71	64	59	69	63	58		67	62	58		66
6	78	66	59	53	76	65	58	53	64	57	53		62	56	52		61
7	73	61	53	48	71	60	53	48	59	52	48		58	52	47		56
8	68	57	49	44	67	56	49	44	55	48	44		53	48	43		52
9	64	53	45	40	63	52	45	40	51	45	40		50	44	40		49
10	61	49	42	37	60	49	42	37	48	41	37		47	41	37		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	158806	158806	158806
5°	156284	156854	157148
10°	149784	150082	150938
15°	139001	140160	141337
20°	125470	127871	129667
25°	111109	114225	117018
30°	97046	100964	103887
35°	84350	88829	91583
40°	72909	77698	80261
45°	63813	68221	70194
50°	56158	58811	58811
55°	48672	51134	49663
60°	41196	43986	41747
65°	32031	36717	33375
70°	23113	27191	23113
75°	17434	16369	13109
80°	11406	8133	3273
85°	3162	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 70194 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.0	6.4
10°-20°	219.4	16.6
20°-30°	275.5	20.9
30°-40°	263.1	19.9
40°-50°	213.9	16.2
50°-60°	149.7	11.3
60°-70°	84.5	6.4
70°-80°	26.8	2.0
80°-90°	2.1	0.2
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°	579.9	43.9
0°-40°	842.9	63.9
0°-60°	1206.6	91.4
0°-90°	1320.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1320.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	922	922	922	922	922	
5°	904	906	907	906	909	85
15°	780	781	786	788	793	217
25°	585	591	601	611	616	268
35°	401	408	422	431	436	252
45°	262	269	280	285	288	203
55°	162	164	170	167	165	145
65°	79	84	90	85	82	79
75°	26	26	25	21	20	28
85°	2	2	0	0	0	3
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	922.1	922.1	922.1	922.1	922.1
1°	920.4	922.1	923.7	920.4	922.1
2°	918.8	920.4	920.4	918.8	922.1
3°	915.5	917.1	917.1	915.5	918.8
4°	910.6	912.2	912.2	910.6	913.9
5°	904.0	905.7	907.3	905.7	909.0
6°	897.5	899.1	900.8	899.1	900.8
7°	887.7	890.9	890.9	890.9	894.2
8°	877.8	881.1	882.7	881.1	884.4
9°	868.0	869.6	871.3	871.3	874.6
10°	856.5	858.2	858.2	859.8	863.1
11°	843.4	843.4	846.7	846.7	851.6
12°	827.1	828.7	832.0	833.6	836.9
13°	812.3	814.0	817.2	818.9	823.8
14°	795.9	799.2	802.5	804.1	809.0
15°	779.6	781.2	786.1	787.8	792.7
17.5°	733.7	735.3	743.5	746.8	751.7
20°	684.6	689.5	697.7	702.6	707.5
22.5°	633.8	638.7	648.5	656.7	660.0
25°	584.7	591.2	601.1	610.9	615.8
27.5°	535.5	542.1	553.6	563.4	569.9
30°	488.0	494.6	507.7	515.9	522.4
32.5°	443.8	450.4	465.1	473.3	478.2
35°	401.2	407.8	422.5	430.7	435.6
37.5°	363.6	370.1	383.2	391.4	394.7
40°	324.3	332.5	345.6	353.8	357.0
42.5°	291.5	298.1	311.2	317.7	322.6
45°	262.0	268.6	280.1	285.0	288.2
47.5°	235.8	239.1	248.9	250.6	253.9
50°	209.6	212.9	219.5	221.1	219.5
52.5°	185.1	188.3	193.3	191.6	191.6
55°	162.1	163.8	170.3	167.1	165.4
57.5°	139.2	142.5	149.0	144.1	142.5
60°	119.6	122.8	127.7	124.5	121.2
62.5°	99.9	101.5	109.7	103.2	99.9
65°	78.6	83.5	90.1	85.2	81.9
67.5°	59.0	67.1	73.7	67.1	63.9
70°	45.9	49.1	54.0	50.8	45.9
72.5°	34.4	36.0	37.7	34.4	31.1
75°	26.2	26.2	24.6	21.3	19.7
77.5°	18.0	18.0	14.7	9.8	9.8
80°	11.5	11.5	8.2	3.3	3.3
82.5°	4.9	4.9	3.3	1.6	1.6
85°	1.6	1.6	0.0	0.0	0.0
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)