

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: P1307279

Luminaire Tested: P3SQAS20R709027D010 E3SQCLDWW1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307279
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: P3SQAS20R709027D010 E3SQCLDWW1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3SQCLDWW1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

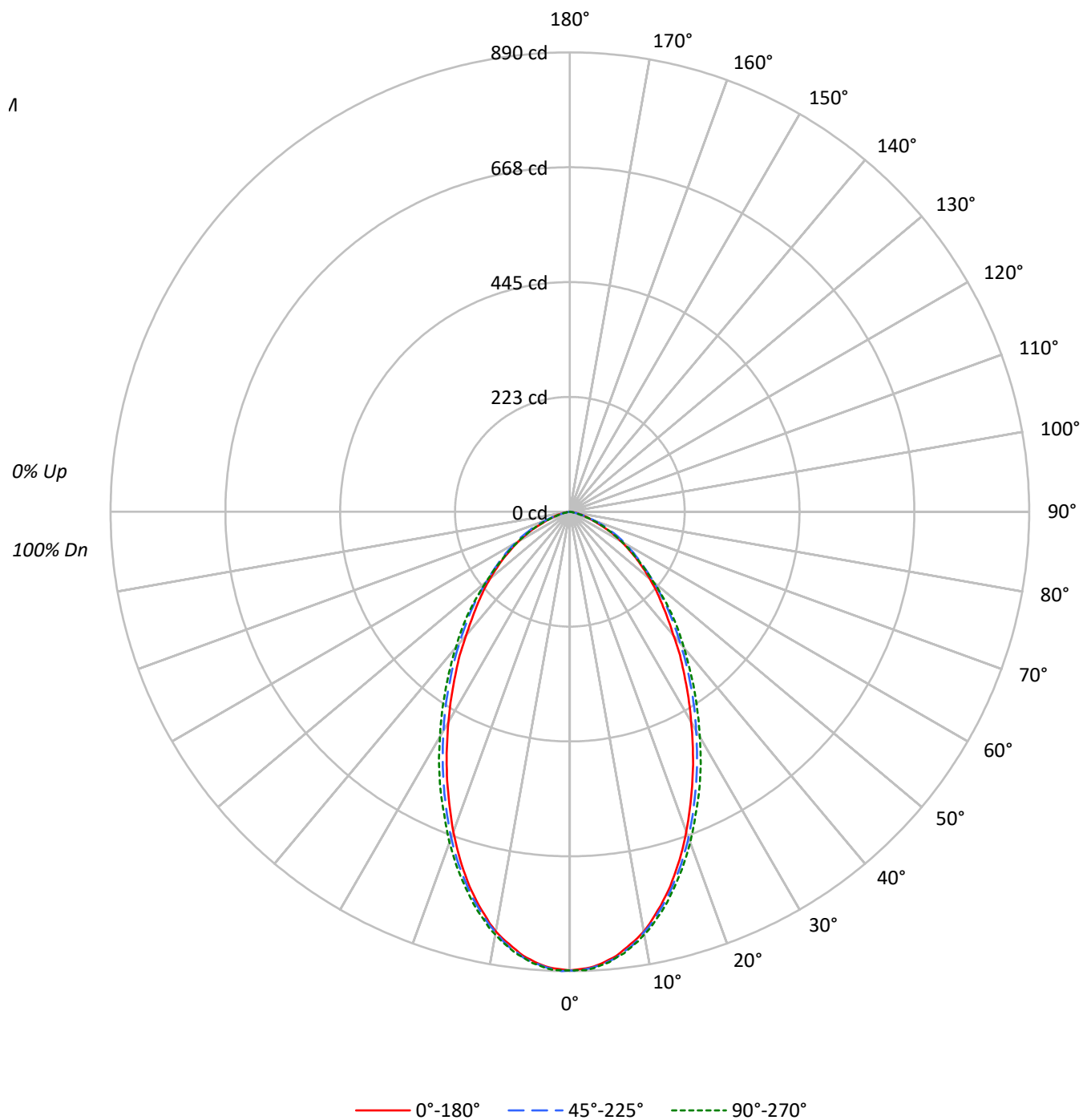
Lumens per Lamp: N/A
Luminaire Lumens: 1272.0 lumens
Efficiency: N/A
Efficacy: 44.2 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	153020	153020	153020
5°	150613	151149	151426
10°	144346	144625	145447
15°	133937	135061	136184
20°	120907	123216	124957
25°	107061	110063	112762
30°	93526	97285	100109
35°	81302	85612	88261
40°	70256	74865	77338
45°	61499	65737	67661
50°	54122	56667	56667
55°	46901	49273	47862
60°	39680	42401	40231
65°	30890	35372	32153
70°	22257	26235	22257
75°	16835	15770	12576
80°	10910	7835	3174
85°	3162	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 67661 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.9	6.4
10°-20°	211.4	16.6
20°-30°	265.4	20.9
30°-40°	253.5	19.9
40°-50°	206.1	16.2
50°-60°	144.3	11.3
60°-70°	81.5	6.4
70°-80°	25.8	2.0
80°-90°	2.0	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°	558.8	43.9
0°-40°	812.3	63.9
0°-60°	1162.7	91.4
0°-90°	1272.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1272.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	888	888	888	888	888	
5°	871	873	874	873	876	82
15°	751	753	758	759	764	210
25°	563	570	579	589	593	258
35°	387	393	407	415	420	242
45°	252	259	270	275	278	196
55°	156	158	164	161	159	140
65°	76	80	87	82	79	76
75°	25	25	24	20	19	27
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°	888.5	888.5	888.5	888.5	888.5
1°	886.9	888.5	890.1	886.9	888.5
2°	885.4	886.9	886.9	885.4	888.5
3°	882.2	883.8	883.8	882.2	885.4
4°	877.5	879.1	879.1	877.5	880.6
5°	871.2	872.7	874.3	872.7	875.9
6°	864.9	866.4	868.0	866.4	868.0
7°	855.4	858.5	858.5	858.5	861.7
8°	845.9	849.1	850.6	849.1	852.2
9°	836.4	838.0	839.6	839.6	842.8
10°	825.4	827.0	827.0	828.6	831.7
11°	812.8	812.8	815.9	815.9	820.7
12°	797.0	798.6	801.7	803.3	806.5
13°	782.8	784.4	787.5	789.1	793.8
14°	767.0	770.2	773.3	774.9	779.6
15°	751.2	752.8	757.5	759.1	763.8
17.5°	707.0	708.6	716.5	719.7	724.4
20°	659.7	664.4	672.3	677.0	681.8
22.5°	610.8	615.5	625.0	632.9	636.0
25°	563.4	569.7	579.2	588.7	593.4
27.5°	516.1	522.4	533.4	542.9	549.2
30°	470.3	476.6	489.2	497.1	503.4
32.5°	427.7	434.0	448.2	456.1	460.8
35°	386.7	393.0	407.2	415.1	419.8
37.5°	350.4	356.7	369.3	377.2	380.3
40°	312.5	320.4	333.0	340.9	344.0
42.5°	280.9	287.2	299.9	306.2	310.9
45°	252.5	258.8	269.9	274.6	277.8
47.5°	227.3	230.4	239.9	241.5	244.6
50°	202.0	205.2	211.5	213.1	211.5
52.5°	178.3	181.5	186.2	184.6	184.6
55°	156.2	157.8	164.1	161.0	159.4
57.5°	134.1	137.3	143.6	138.9	137.3
60°	115.2	118.4	123.1	119.9	116.8
62.5°	96.3	97.8	105.7	99.4	96.3
65°	75.8	80.5	86.8	82.1	78.9
67.5°	56.8	64.7	71.0	64.7	61.5
70°	44.2	47.3	52.1	48.9	44.2
72.5°	33.1	34.7	36.3	33.1	30.0
75°	25.3	25.3	23.7	20.5	18.9
77.5°	17.4	17.4	14.2	9.5	9.5
80°	11.0	11.0	7.9	3.2	3.2
82.5°	4.7	4.7	3.2	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)