

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: P1314773

Luminaire Tested: P3SQAS20R709735D010 E3SQCLDWW1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314773
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: P3SQAS20R709735D010 E3SQCLDWW1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , E3SQCLDWW1MMS TR
Light Source: -
Ballast/Driver: -

Summary

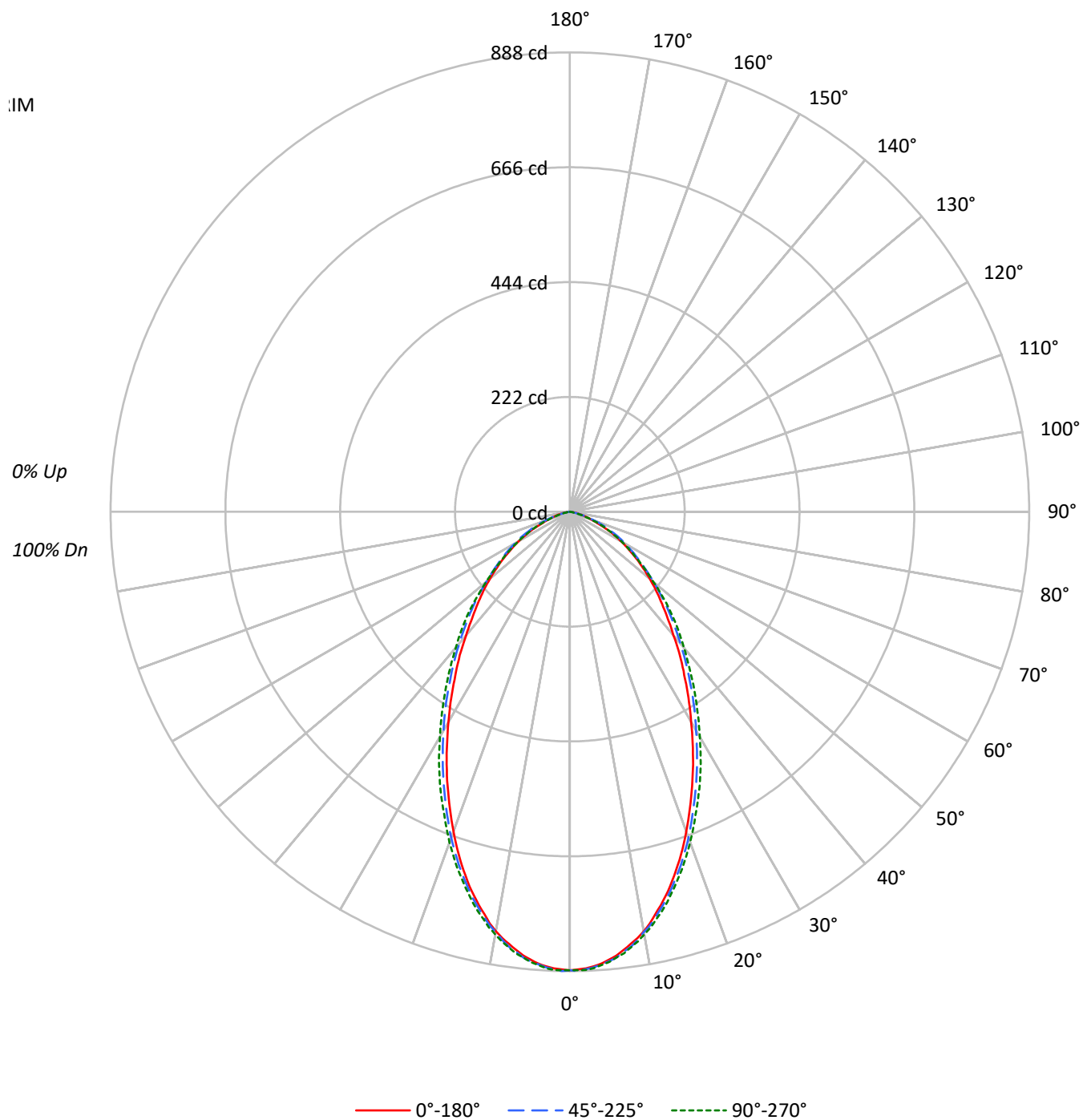
Lumens per Lamp: N/A
Luminaire Lumens: 1269.0 lumens
Efficiency: N/A
Efficacy: 44.1 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	152658	152658	152658
5°	150250	150804	151063
10°	143996	144276	145097
15°	133617	134740	135863
20°	120614	122923	124664
25°	106814	109797	112496
30°	93308	97066	99890
35°	81092	85402	88051
40°	70077	74685	77158
45°	61353	65566	67490
50°	53988	56533	56533
55°	46811	49153	47742
60°	39577	42298	40128
65°	30808	35291	32071
70°	22206	26184	22206
75°	16769	15704	12576
80°	10910	7835	3075
85°	3162	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 67490 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.7	6.4
10°-20°	210.9	16.6
20°-30°	264.8	20.9
30°-40°	252.9	19.9
40°-50°	205.6	16.2
50°-60°	144.0	11.3
60°-70°	81.3	6.4
70°-80°	25.7	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°	557.5	43.9
0°-40°	810.4	63.9
0°-60°	1160.0	91.4
0°-90°	1269.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1269.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	886	886	886	886	886	
5°	869	871	872	871	874	81
15°	749	751	756	757	762	209
25°	562	568	578	587	592	258
35°	386	392	406	414	419	242
45°	252	258	269	274	277	195
55°	156	157	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°	886.4	886.4	886.4	886.4	886.4
1°	884.9	886.4	888.0	884.9	886.4
2°	883.3	884.9	884.9	883.3	886.4
3°	880.1	881.7	881.7	880.1	883.3
4°	875.4	877.0	877.0	875.4	878.6
5°	869.1	870.7	872.3	870.7	873.8
6°	862.8	864.4	866.0	864.4	866.0
7°	853.4	856.5	856.5	856.5	859.7
8°	843.9	847.1	848.6	847.1	850.2
9°	834.5	836.0	837.6	837.6	840.8
10°	823.4	825.0	825.0	826.6	829.7
11°	810.9	810.9	814.0	814.0	818.7
12°	795.1	796.7	799.8	801.4	804.6
13°	780.9	782.5	785.7	787.2	792.0
14°	765.2	768.3	771.5	773.1	777.8
15°	749.4	751.0	755.7	757.3	762.0
17.5°	705.4	706.9	714.8	718.0	722.7
20°	658.1	662.9	670.7	675.4	680.2
22.5°	609.3	614.0	623.5	631.4	634.5
25°	562.1	568.4	577.8	587.3	592.0
27.5°	514.9	521.2	532.2	541.6	547.9
30°	469.2	475.5	488.1	496.0	502.3
32.5°	426.7	433.0	447.2	455.0	459.7
35°	385.7	392.0	406.2	414.1	418.8
37.5°	349.5	355.8	368.4	376.3	379.4
40°	311.7	319.6	332.2	340.1	343.2
42.5°	280.3	286.6	299.1	305.4	310.2
45°	251.9	258.2	269.2	274.0	277.1
47.5°	226.7	229.9	239.3	240.9	244.0
50°	201.5	204.7	211.0	212.6	211.0
52.5°	177.9	181.1	185.8	184.2	184.2
55°	155.9	157.4	163.7	160.6	159.0
57.5°	133.8	137.0	143.3	138.6	137.0
60°	114.9	118.1	122.8	119.7	116.5
62.5°	96.0	97.6	105.5	99.2	96.0
65°	75.6	80.3	86.6	81.9	78.7
67.5°	56.7	64.6	70.9	64.6	61.4
70°	44.1	47.2	52.0	48.8	44.1
72.5°	33.1	34.6	36.2	33.1	29.9
75°	25.2	25.2	23.6	20.5	18.9
77.5°	17.3	17.3	14.2	9.4	9.4
80°	11.0	11.0	7.9	3.1	3.1
82.5°	4.7	4.7	3.1	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)