

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: P1307428

Luminaire Tested: P3SQAS24R709027D010 E3SQCLSWW1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307428
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-72)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R709027D010 E3SQCLSWW1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3SQCLSWW1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

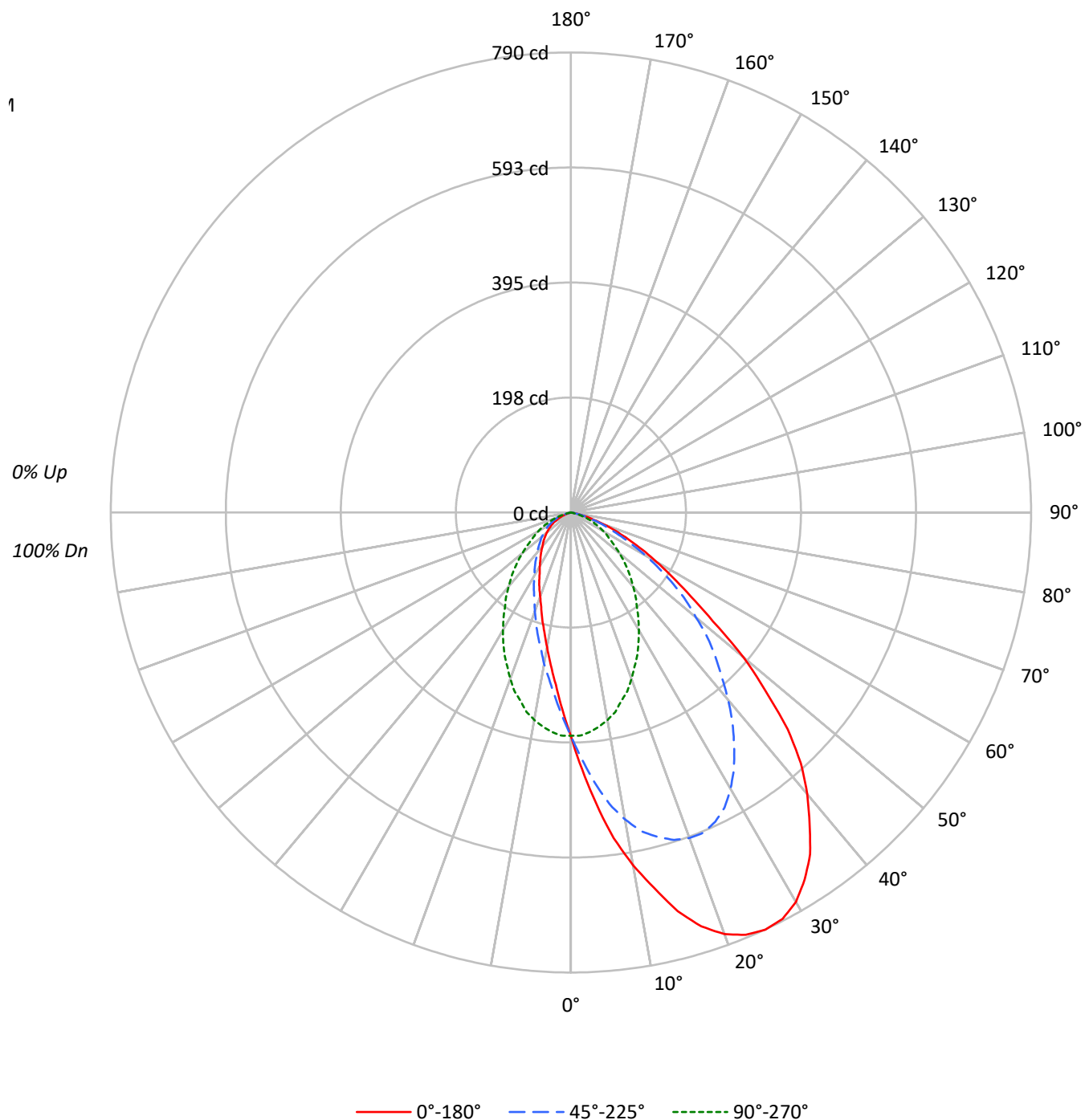
Lumens per Lamp: N/A
Luminaire Lumens: 860.0 lumens
Efficiency: N/A
Efficacy: 29.9 lumens/watt
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89	89	89
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77	77	77
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	67	67	67
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	59	59	59
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52	52	52
6	75	64	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	46	46	46
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42	42	42
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	38	38	38
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	34	34	34
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	31	31	31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	66030	66030	66030	66030	66030
5°	86924	80355	65349	54717	51276
10°	107533	93613	63254	46186	41114
15°	126413	102860	59659	39012	33859
20°	141214	109049	55679	33155	28169
25°	150178	111356	51212	28523	24399
30°	153584	108978	46395	24818	21219
35°	150577	102663	41439	22433	19006
40°	141907	94335	37410	20324	17086
45°	128185	85465	33489	18511	15856
50°	103689	75101	29070	17442	14549
55°	75486	64616	24982	16304	13031
60°	58556	51081	22423	14949	11849
65°	44215	36839	18420	13285	8843
70°	30968	26386	13646	10021	5489
75°	18033	15637	7253	4791	1198
80°	3570	5356	1785	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 128185 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.5	4.4
10°-20°	111.8	13.0
20°-30°	168.5	19.6
30°-40°	187.3	21.8
40°-50°	166.0	19.3
50°-60°	112.7	13.1
60°-70°	59.1	6.9
70°-80°	16.8	1.9
80°-90°	0.5	0.1
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°	317.7	36.9
0°-40°	505.0	58.7
0°-60°	783.7	91.1
0°-90°	860.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	860.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	383	383	383	383	383	
5°	503	465	378	316	297	51
15°	709	577	335	219	190	201
25°	790	586	270	150	128	363
35°	716	488	197	107	90	444
45°	526	351	138	76	65	398
55°	251	215	83	54	43	232
65°	108	90	45	33	22	110
75°	27	24	11	7	2	30
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	383.4	383.4	383.4	383.4	383.4	383.4	383.4	383.4	383.4	383.4	383.4
2.5°	441.3	439.5	437.7	437.7	435.9	434.1	430.4	430.4	426.8	423.2	419.6
5°	502.8	502.8	502.8	497.4	497.4	490.1	486.5	479.3	472.0	464.8	455.8
7.5°	564.3	564.3	558.8	557.0	551.6	544.4	539.0	528.1	515.4	504.6	490.1
10°	614.9	614.9	609.5	605.9	595.0	587.8	576.9	564.3	551.6	535.3	517.3
12.5°	660.1	661.9	654.7	647.5	636.6	625.8	611.3	595.0	578.7	560.7	537.1
15°	709.0	707.2	698.1	689.1	676.4	660.1	642.0	620.3	598.6	576.9	551.6
17.5°	745.1	743.3	734.3	723.4	707.2	687.3	667.4	642.0	616.7	589.6	558.8
20°	770.5	768.6	759.6	745.1	728.9	707.2	683.6	654.7	627.6	595.0	560.7
22.5°	784.9	783.1	772.3	759.6	739.7	716.2	690.9	660.1	629.4	595.0	557.0
25°	790.3	786.7	775.9	761.4	741.5	716.2	687.3	654.7	622.1	586.0	546.2
27.5°	786.7	783.1	770.5	754.2	732.5	703.5	674.6	642.0	607.7	571.5	529.9
30°	772.3	766.8	756.0	739.7	716.2	687.3	656.5	622.1	586.0	548.0	506.4
32.5°	746.9	743.3	732.5	714.4	690.9	661.9	631.2	595.0	558.8	520.9	479.3
35°	716.2	709.0	698.1	681.8	658.3	629.4	598.6	560.7	526.3	488.3	448.5
37.5°	672.8	671.0	658.3	645.7	622.1	591.4	562.5	526.3	491.9	455.8	416.0
40°	631.2	627.6	616.7	602.3	578.7	551.6	520.9	488.3	454.0	419.6	383.4
42.5°	584.2	578.7	571.5	557.0	535.3	508.2	479.3	446.7	416.0	383.4	350.9
45°	526.3	524.5	515.4	508.2	488.3	464.8	435.9	406.9	376.2	350.9	325.5
47.5°	452.1	450.3	448.5	443.1	432.2	416.0	394.3	367.1	343.6	318.3	283.9
50°	387.0	385.2	381.6	379.8	370.8	361.7	345.4	329.2	309.3	280.3	253.2
52.5°	307.5	309.3	314.7	316.5	314.7	307.5	300.2	294.8	267.7	249.6	224.3
55°	251.4	251.4	249.6	251.4	253.2	256.8	256.8	249.6	231.5	215.2	193.5
57.5°	206.2	206.2	206.2	206.2	206.2	208.0	208.0	206.2	197.1	180.9	161.0
60°	170.0	168.2	168.2	170.0	168.2	168.2	170.0	170.0	161.0	148.3	130.2
62.5°	137.5	137.5	137.5	135.6	135.6	137.5	137.5	135.6	128.4	115.7	103.1
65°	108.5	108.5	108.5	108.5	108.5	110.3	108.5	106.7	99.5	90.4	81.4
67.5°	83.2	83.2	85.0	83.2	85.0	85.0	85.0	81.4	76.0	68.7	63.3
70°	61.5	61.5	61.5	63.3	65.1	65.1	63.3	59.7	56.1	52.4	47.0
72.5°	41.6	43.4	43.4	43.4	45.2	45.2	43.4	41.6	39.8	36.2	34.4
75°	27.1	25.3	27.1	27.1	28.9	28.9	27.1	27.1	25.3	23.5	21.7
77.5°	12.7	12.7	14.5	14.5	14.5	14.5	14.5	14.5	14.5	12.7	12.7
80°	3.6	3.6	3.6	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
82.5°	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	383.4	383.4	383.4	383.4	383.4	383.4	383.4	383.4
2.5°	416.0	410.5	403.3	383.4	365.3	349.1	340.0	338.2
5°	444.9	437.7	419.6	378.0	343.6	316.5	300.2	296.6
7.5°	475.7	461.2	435.9	370.8	321.9	287.6	269.5	264.1
10°	499.2	481.1	446.7	361.7	300.2	264.1	242.3	235.1
12.5°	515.4	493.7	455.8	350.9	282.1	238.7	217.0	209.8
15°	524.5	501.0	457.6	334.6	260.4	218.8	195.3	189.9
17.5°	528.1	501.0	454.0	321.9	240.5	198.9	177.2	170.0
20°	526.3	493.7	444.9	303.8	222.5	180.9	159.2	153.7
22.5°	519.1	482.9	430.4	285.8	204.4	162.8	144.7	141.1
25°	508.2	468.4	414.2	269.5	188.1	150.1	132.0	128.4
27.5°	490.1	450.3	392.5	251.4	173.6	137.5	121.2	115.7
30°	466.6	428.6	370.8	233.3	159.2	124.8	110.3	106.7
32.5°	441.3	403.3	349.1	215.2	146.5	115.7	101.3	97.7
35°	412.4	376.2	321.9	197.1	133.8	106.7	92.2	90.4
37.5°	383.4	347.2	298.4	182.7	123.0	97.7	85.0	83.2
40°	350.9	321.9	285.8	166.4	113.9	90.4	79.6	76.0
42.5°	331.0	291.2	246.0	151.9	104.9	83.2	72.3	70.5
45°	287.6	258.6	222.5	137.5	95.9	76.0	66.9	65.1
47.5°	258.6	233.3	198.9	123.0	88.6	70.5	61.5	59.7
50°	229.7	206.2	173.6	108.5	81.4	65.1	56.1	54.3
52.5°	200.8	177.2	148.3	95.9	72.3	59.7	50.6	48.8
55°	171.8	150.1	123.0	83.2	65.1	54.3	47.0	43.4
57.5°	141.1	123.0	104.9	74.2	57.9	48.8	41.6	38.0
60°	113.9	103.1	88.6	65.1	50.6	43.4	36.2	34.4
62.5°	92.2	83.2	74.2	56.1	45.2	38.0	32.6	27.1
65°	74.2	68.7	61.5	45.2	38.0	32.6	27.1	21.7
67.5°	57.9	54.3	48.8	38.0	30.7	27.1	19.9	16.3
70°	45.2	41.6	38.0	27.1	23.5	19.9	14.5	10.9
72.5°	32.6	28.9	27.1	19.9	16.3	14.5	9.0	5.4
75°	19.9	19.9	16.3	10.9	9.0	7.2	3.6	1.8
77.5°	10.9	10.9	9.0	5.4	5.4	1.8	0.0	0.0
80°	5.4	3.6	3.6	1.8	1.8	0.0	0.0	0.0
82.5°	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)