

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: P1306312

Luminaire Tested: P3SQASS20R709024D010 E3SQCLSWW1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306312
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-71)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQASS20R709024D010 E3SQCLSWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3SQCLSWW1MW TRIAC
Light Source: -
Ballast/Driver: -

Summary

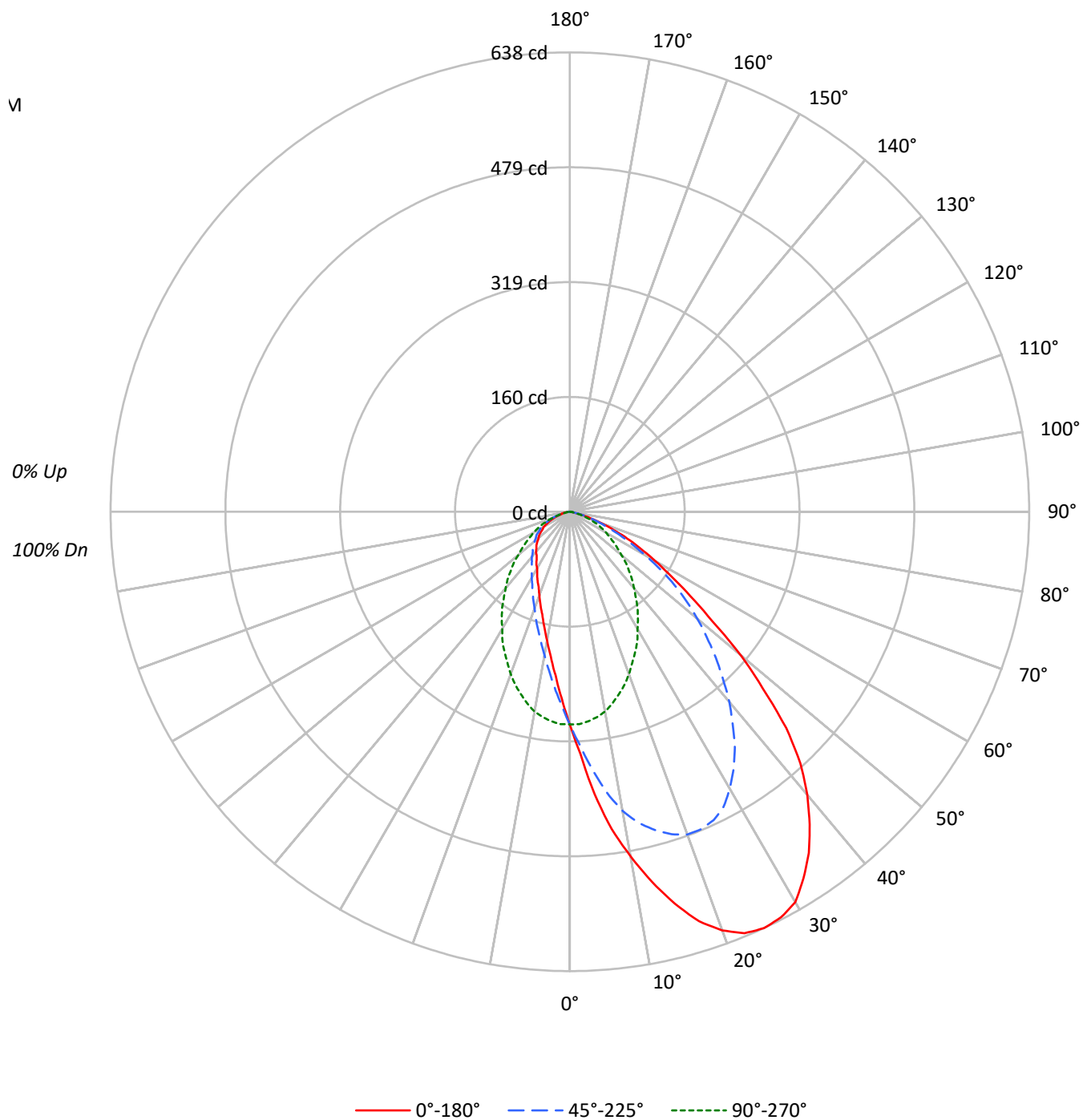
Lumens per Lamp: N/A
Luminaire Lumens: 721.0 lumens
Efficiency: N/A
Efficacy: 25.0 lumens/watt
Spacing Criteria (0/90/45): 1.58 / 1 / 1.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	88	88
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	76	76
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	75	71	68	66	66
4	87	76	68	62	85	75	68	62	73	66	61	70	65	60	68	64	60	58	58
5	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	53	51	51
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	45	45
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	40	40
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	36	36
9	61	48	40	35	59	48	40	35	46	40	35	45	39	35	44	39	35	33	33
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	50840	50840	50840	50840	50840
5°	68046	62116	50516	42269	39434
10°	84991	73782	49281	35466	31811
15°	100489	81607	46785	30311	26317
20°	113393	87441	43986	26227	22671
25°	121256	89807	40799	23240	20124
30°	124530	88356	37367	21060	18077
35°	121627	84014	34480	19427	16925
40°	115311	77428	31183	18435	16434
45°	103488	69731	28326	17804	15978
50°	83085	61919	25159	17174	15192
55°	61343	53266	22369	17025	14773
60°	47258	41609	20012	16430	14363
65°	35861	30971	17605	15200	12755
70°	24019	21753	13495	13495	10524
75°	12909	12909	8917	8917	7918
80°	2975	5951	4463	5951	7438
85°	0	2964	2964	5928	5928

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 103488 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.1	4.0
10°-20°	88.5	12.3
20°-30°	136.4	18.9
30°-40°	154.8	21.5
40°-50°	140.1	19.4
50°-60°	98.0	13.6
60°-70°	53.8	7.5
70°-80°	18.0	2.5
80°-90°	2.4	0.3
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°	254.0	35.2
0°-40°	408.8	56.7
0°-60°	646.8	89.7
0°-90°	721.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	721.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	295	295	295	295	295	
5°	394	359	292	244	228	40
15°	564	458	262	170	148	161
25°	638	473	215	122	106	293
35°	578	400	164	92	80	360
45°	425	286	116	73	66	322
55°	204	177	74	57	49	188
65°	88	76	43	37	31	88
75°	19	19	13	13	12	22
85°	0	2	2	3	3	1
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°	295.2	295.2	295.2	295.2	295.2	295.2	295.2	295.2	295.2	295.2	295.2
2.5°	336.9	339.9	341.4	338.4	336.9	335.5	332.5	331.0	328.0	325.0	323.5
5°	393.6	393.6	393.6	390.6	386.1	383.2	377.2	372.7	365.3	359.3	353.3
7.5°	444.3	444.3	442.8	438.3	435.3	427.9	420.4	414.5	402.5	393.6	381.7
10°	486.0	486.0	484.5	477.1	472.6	463.7	456.2	445.8	433.9	421.9	408.5
12.5°	526.3	526.3	520.3	514.4	505.4	493.5	483.1	472.6	456.2	442.8	426.4
15°	563.6	563.6	560.6	550.1	538.2	524.8	509.9	495.0	475.6	457.7	439.8
17.5°	596.4	594.9	590.4	578.5	566.5	550.1	532.3	514.4	490.5	469.6	447.3
20°	618.7	618.7	612.8	599.3	585.9	568.0	548.6	527.8	502.4	477.1	450.3
22.5°	633.6	632.1	626.2	612.8	596.4	578.5	556.1	533.7	505.4	477.1	448.8
25°	638.1	636.6	630.6	615.7	599.3	580.0	556.1	532.3	502.4	472.6	441.3
27.5°	635.1	633.6	627.7	611.3	594.9	572.5	548.6	523.3	493.5	462.2	430.9
30°	626.2	621.7	615.7	600.8	582.9	560.6	535.2	506.9	477.1	444.3	413.0
32.5°	603.8	603.8	596.4	581.4	563.6	539.7	514.4	487.5	454.7	423.4	390.6
35°	578.5	577.0	571.0	554.6	538.2	515.9	490.5	462.2	430.9	399.6	368.3
37.5°	547.2	545.7	539.7	524.8	506.9	486.0	459.2	432.4	402.5	371.2	342.9
40°	512.9	509.9	502.4	490.5	475.6	451.7	427.9	401.1	372.7	344.4	316.1
42.5°	474.1	471.1	465.2	456.2	438.3	417.5	395.1	369.7	342.9	314.6	293.7
45°	424.9	424.9	421.9	413.0	399.6	383.2	359.3	336.9	311.6	286.3	263.9
47.5°	363.8	366.8	365.3	360.8	354.8	339.9	323.5	304.1	280.3	257.9	237.1
50°	310.1	311.6	313.1	310.1	305.6	295.2	284.8	272.8	252.0	231.1	211.7
52.5°	249.0	253.5	253.5	254.9	254.9	252.0	249.0	235.6	225.1	204.3	186.4
55°	204.3	204.3	204.3	207.2	208.7	210.2	207.2	204.3	192.3	177.4	161.0
57.5°	167.0	167.0	170.0	168.5	168.5	171.5	171.5	170.0	162.5	149.1	134.2
60°	137.2	137.2	137.2	137.2	138.7	138.7	138.7	138.7	132.7	120.8	108.8
62.5°	110.3	110.3	110.3	111.8	111.8	111.8	113.3	111.8	105.9	96.9	86.5
65°	88.0	86.5	88.0	88.0	89.5	89.5	89.5	88.0	82.0	76.0	68.6
67.5°	65.6	67.1	67.1	67.1	68.6	70.1	68.6	67.1	62.6	56.7	53.7
70°	47.7	49.2	49.2	49.2	50.7	52.2	50.7	49.2	46.2	43.2	40.3
72.5°	31.3	32.8	32.8	34.3	35.8	35.8	34.3	34.3	32.8	29.8	28.3
75°	19.4	19.4	20.9	20.9	22.4	22.4	22.4	20.9	20.9	19.4	19.4
77.5°	8.9	8.9	10.4	10.4	10.4	11.9	11.9	11.9	11.9	11.9	10.4
80°	3.0	3.0	3.0	3.0	3.0	4.5	4.5	4.5	6.0	6.0	6.0
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0	3.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
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°	295.2	295.2	295.2	295.2	295.2	295.2	295.2	295.2
2.5°	320.5	316.1	310.1	295.2	280.3	268.4	260.9	259.4
5°	345.9	338.4	325.0	292.2	265.4	244.5	232.6	228.1
7.5°	371.2	357.8	338.4	287.7	247.5	222.1	208.7	202.8
10°	392.1	375.7	350.4	281.8	232.6	202.8	186.4	181.9
12.5°	408.5	389.1	357.8	272.8	217.7	184.9	168.5	164.0
15°	418.9	398.1	362.3	262.4	202.8	170.0	153.6	147.6
17.5°	423.4	398.1	360.8	252.0	189.3	156.5	140.1	135.7
20°	423.4	395.1	356.3	240.0	175.9	143.1	128.2	123.7
22.5°	418.9	389.1	345.9	226.6	164.0	132.7	117.8	113.3
25°	410.0	377.2	334.0	214.7	152.1	122.3	108.8	105.9
27.5°	396.6	363.8	319.1	202.8	141.6	113.3	101.4	98.4
30°	380.2	347.4	302.7	187.9	131.2	105.9	95.4	90.9
32.5°	359.3	328.0	284.8	175.9	122.3	98.4	89.5	86.5
35°	336.9	308.6	265.4	164.0	113.3	92.4	83.5	80.5
37.5°	314.6	284.8	249.0	150.6	105.9	86.5	79.0	76.0
40°	290.7	268.4	231.1	138.7	99.9	82.0	74.5	73.1
42.5°	266.9	243.0	205.7	128.2	92.4	76.0	70.1	68.6
45°	238.5	216.2	186.4	116.3	86.5	73.1	67.1	65.6
47.5°	214.7	193.8	167.0	105.9	80.5	68.6	62.6	61.1
50°	192.3	171.5	146.1	93.9	74.5	64.1	59.6	56.7
52.5°	167.0	149.1	126.7	83.5	68.6	59.6	55.2	53.7
55°	144.6	126.7	105.9	74.5	62.6	56.7	50.7	49.2
57.5°	119.3	104.4	89.5	65.6	56.7	50.7	47.7	44.7
60°	96.9	86.5	76.0	58.1	50.7	47.7	43.2	41.7
62.5°	79.0	71.6	64.1	50.7	44.7	41.7	38.8	35.8
65°	62.6	58.1	52.2	43.2	38.8	37.3	34.3	31.3
67.5°	49.2	46.2	41.7	34.3	32.8	31.3	28.3	25.3
70°	37.3	35.8	32.8	26.8	25.3	26.8	23.9	20.9
72.5°	26.8	25.3	23.9	19.4	19.4	19.4	17.9	14.9
75°	17.9	16.4	14.9	13.4	13.4	13.4	13.4	11.9
77.5°	10.4	10.4	8.9	7.5	8.9	8.9	10.4	10.4
80°	4.5	4.5	4.5	4.5	6.0	6.0	7.5	7.5
82.5°	3.0	3.0	3.0	3.0	4.5	4.5	4.5	4.5
85°	1.5	1.5	1.5	1.5	1.5	3.0	3.0	3.0
87.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)