

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: P1310633

Luminaire Tested: P3SQAS20R709040D010 E3SQCLDWW1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310633
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: P3SQAS20R709040D010 E3SQCLDWW1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , E3SQCLDWW1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

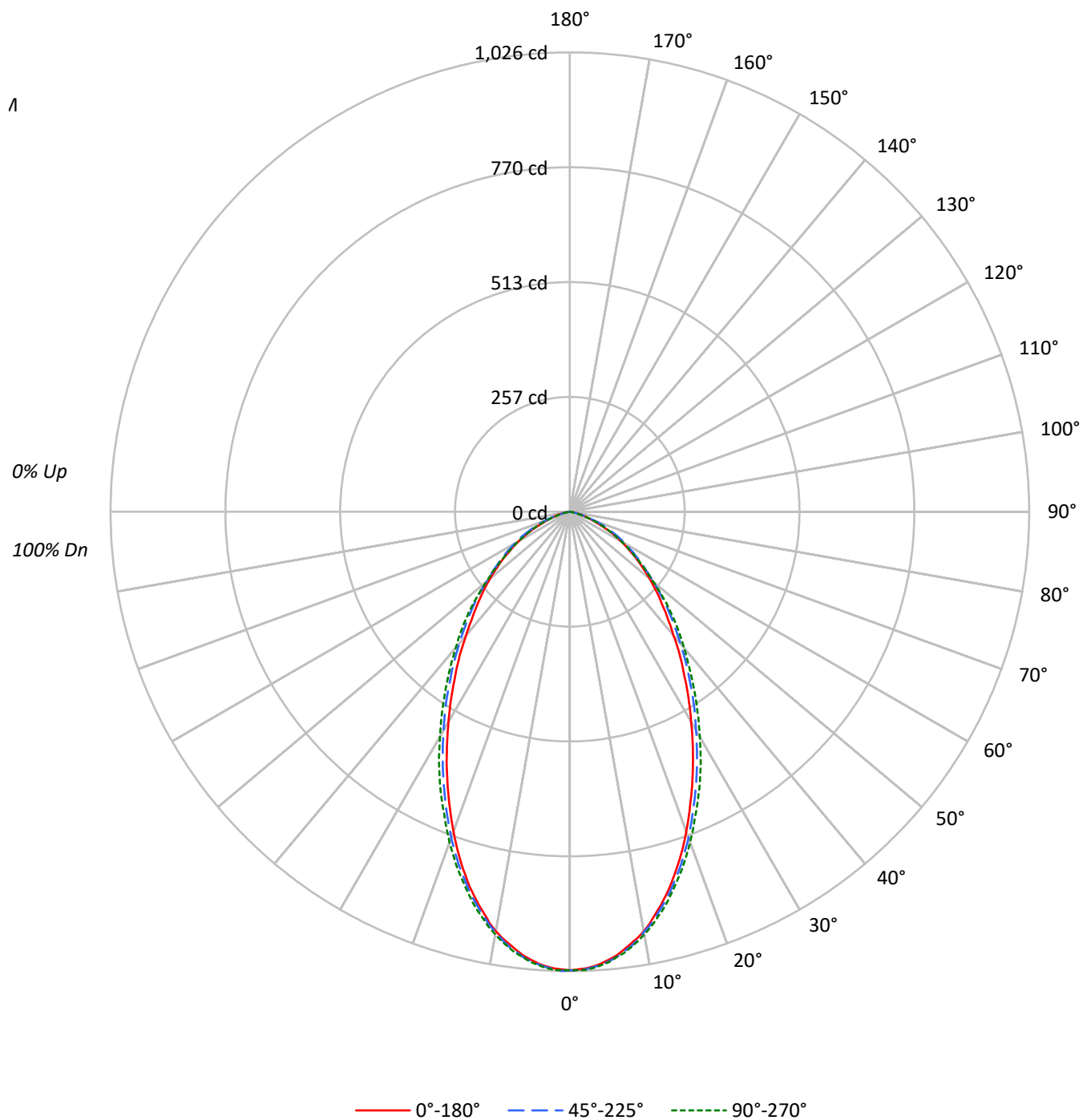
Lumens per Lamp: N/A
Luminaire Lumens: 1466.0 lumens
Efficiency: N/A
Efficacy: 50.9 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	108	104	102	109	106	103	100	101	99	97	98	96	94	94	93	91	89		
2	103	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	80	79		
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69		
4	89	79	72	66	87	78	71	66	76	70	65	74	69	64	72	67	64	62		
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	55		
6	78	66	59	53	76	65	58	53	64	57	53	62	56	52	61	56	52	50		
7	73	61	53	48	71	60	53	48	59	52	48	58	52	47	56	51	47	45		
8	68	57	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	41		
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	38		
10	61	49	42	37	60	49	42	37	48	41	37	47	41	37	46	41	37	35		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	176356	176356	176356
5°	173572	174212	174523
10°	166363	166678	167639
15°	154370	155672	156956
20°	139344	142002	144018
25°	123384	126843	129959
30°	107785	112140	115382
35°	93685	98668	101717
40°	80958	86286	89141
45°	70876	75747	77963
50°	62374	65295	65295
55°	54077	56809	55158
60°	45742	48877	46362
65°	35576	40751	37043
70°	25630	30213	25630
75°	19364	18166	14506
80°	12596	9025	3570
85°	3557	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 77963 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.4	6.4
10°-20°	243.7	16.6
20°-30°	305.9	20.9
30°-40°	292.2	19.9
40°-50°	237.6	16.2
50°-60°	166.3	11.3
60°-70°	93.9	6.4
70°-80°	29.7	2.0
80°-90°	2.3	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°	644.0	43.9
0°-40°	936.2	63.9
0°-60°	1340.1	91.4
0°-90°	1466.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1466.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1024	1024	1024	1024	1024	
5°	1004	1006	1008	1006	1010	94
15°	866	868	873	875	880	242
25°	649	657	668	678	684	298
35°	446	453	469	478	484	279
45°	291	298	311	316	320	226
55°	180	182	189	186	184	161
65°	87	93	100	95	91	88
75°	29	29	27	24	22	31
85°	2	2	0	0	0	4
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1024.0	1024.0	1024.0	1024.0	1024.0
1°	1022.2	1024.0	1025.9	1022.2	1024.0
2°	1020.4	1022.2	1022.2	1020.4	1024.0
3°	1016.8	1018.6	1018.6	1016.8	1020.4
4°	1011.3	1013.1	1013.1	1011.3	1014.9
5°	1004.0	1005.8	1007.7	1005.8	1009.5
6°	996.8	998.6	1000.4	998.6	1000.4
7°	985.8	989.5	989.5	989.5	993.1
8°	974.9	978.6	980.4	978.6	982.2
9°	964.0	965.8	967.7	967.7	971.3
10°	951.3	953.1	953.1	954.9	958.6
11°	936.7	936.7	940.4	940.4	945.8
12°	918.5	920.4	924.0	925.8	929.5
13°	902.2	904.0	907.6	909.4	914.9
14°	884.0	887.6	891.3	893.1	898.5
15°	865.8	867.6	873.1	874.9	880.3
17.5°	814.9	816.7	825.8	829.4	834.9
20°	760.3	765.8	774.8	780.3	785.8
22.5°	703.9	709.4	720.3	729.4	733.0
25°	649.3	656.6	667.5	678.4	683.9
27.5°	594.8	602.1	614.8	625.7	633.0
30°	542.0	549.3	563.9	573.0	580.2
32.5°	492.9	500.2	516.6	525.7	531.1
35°	445.6	452.9	469.3	478.4	483.8
37.5°	403.8	411.1	425.6	434.7	438.4
40°	360.1	369.2	383.8	392.9	396.5
42.5°	323.8	331.0	345.6	352.9	358.3
45°	291.0	298.3	311.0	316.5	320.1
47.5°	261.9	265.6	276.5	278.3	281.9
50°	232.8	236.5	243.7	245.6	243.7
52.5°	205.5	209.2	214.6	212.8	212.8
55°	180.1	181.9	189.2	185.5	183.7
57.5°	154.6	158.2	165.5	160.1	158.2
60°	132.8	136.4	141.9	138.2	134.6
62.5°	111.0	112.8	121.9	114.6	111.0
65°	87.3	92.8	100.0	94.6	90.9
67.5°	65.5	74.6	81.9	74.6	70.9
70°	50.9	54.6	60.0	56.4	50.9
72.5°	38.2	40.0	41.8	38.2	34.6
75°	29.1	29.1	27.3	23.6	21.8
77.5°	20.0	20.0	16.4	10.9	10.9
80°	12.7	12.7	9.1	3.6	3.6
82.5°	5.5	5.5	3.6	1.8	1.8
85°	1.8	1.8	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)