

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: P1317747

Luminaire Tested: P3SQAS05R459835DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317747
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R459835DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 3500K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

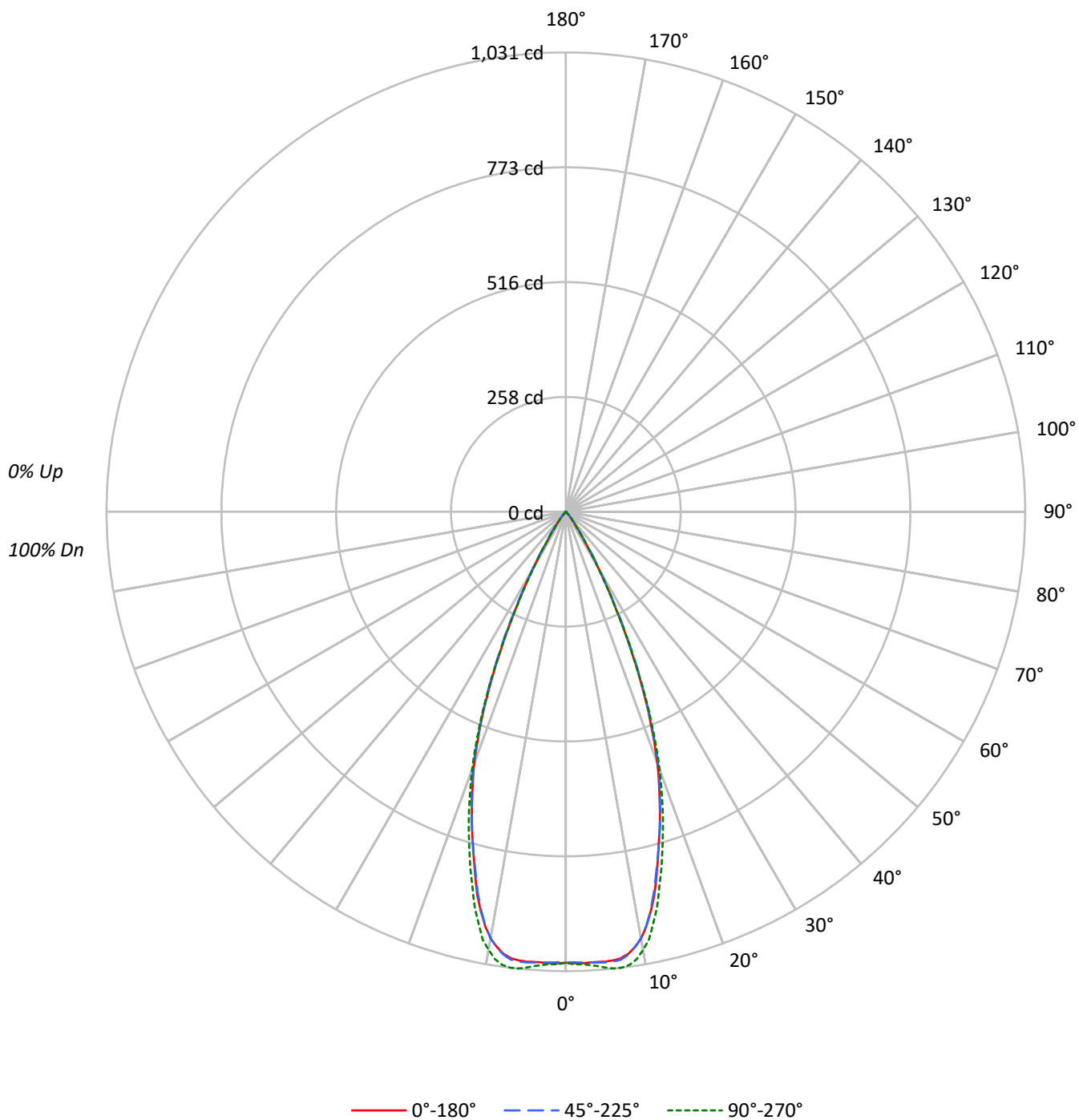
Lumens per Lamp: N/A
Luminaire Lumens: 524.1 lumens
Efficiency: N/A
Efficacy: 72.8 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	84	84	82
5	98	91	86	82	96	90	85	82	88	84	81	86	83	80	85	82	80	80	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	76	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	73	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	70	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	69	67	67	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	64	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	174358	174358	174358
5°	175232	175560	177566
10°	170035	169895	174617
15°	142496	142424	147666
20°	110167	111285	112843
25°	67535	68923	67687
30°	28955	30267	28040
35°	9104	10954	8851
40°	3125	4002	3035
45°	560	1705	463
50°	322	616	322
55°	360	360	360
60°	276	276	276
65°	326	326	326
70°	201	201	201
75°	266	266	266
80°	397	397	397
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1705 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.2	18.4
10°-20°	222.3	42.4
20°-30°	162.8	31.1
30°-40°	36.0	6.9
40°-50°	4.4	0.8
50°-60°	1.1	0.2
60°-70°	0.8	0.1
70°-80°	0.4	0.1
80°-90°	0.1	0.0
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°	481.4	91.9
0°-40°	517.3	98.7
0°-60°	522.8	99.8
0°-90°	524.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	524.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1012	1012	1012	1012	1012	
5°	1014	1013	1016	1023	1027	96
15°	799	795	799	818	828	221
25°	355	355	363	360	356	161
35°	43	46	52	46	42	34
45°	2	4	7	4	2	3
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1012.4	1012.4	1012.4	1012.4	1012.4
1°	1013.2	1011.7	1011.3	1014.0	1015.9
2°	1014.0	1012.1	1012.4	1015.1	1016.3
3°	1013.2	1011.3	1013.2	1017.1	1018.6
4°	1012.8	1012.1	1014.0	1019.4	1022.1
5°	1013.6	1012.8	1015.5	1022.9	1027.1
6°	1012.4	1011.3	1015.1	1024.4	1030.6
7°	1009.7	1008.6	1012.8	1024.0	1031.0
8°	1002.4	1000.1	1004.3	1018.2	1026.7
9°	989.3	986.2	990.4	1006.6	1016.7
10°	972.3	968.8	971.5	987.3	998.5
11°	947.9	943.3	946.4	963.4	978.1
12°	917.0	910.5	914.3	933.6	944.1
13°	883.4	877.2	878.0	895.4	910.1
14°	841.7	833.6	837.1	855.2	866.8
15°	799.2	795.0	798.8	818.1	828.2
17.5°	701.9	701.5	705.0	719.3	724.7
20°	601.1	602.2	607.2	615.0	615.7
22.5°	481.7	482.1	487.5	492.9	491.7
25°	355.4	355.0	362.7	360.0	356.2
27.5°	235.6	237.2	244.1	239.1	235.2
30°	145.6	148.7	152.2	146.0	141.0
32.5°	78.8	83.8	88.8	83.4	78.4
35°	43.3	45.6	52.1	45.6	42.1
37.5°	25.1	26.3	30.5	26.3	23.9
40°	13.9	15.8	17.8	15.8	13.5
42.5°	5.8	8.9	10.8	8.9	5.8
45°	2.3	3.9	7.0	3.9	1.9
47.5°	1.2	1.5	4.2	1.5	1.2
50°	1.2	1.2	2.3	1.2	1.2
52.5°	1.2	1.2	1.2	1.2	1.2
55°	1.2	1.2	1.2	1.2	1.2
57.5°	1.2	1.2	1.2	1.2	1.2
60°	0.8	0.8	0.8	1.2	0.8
62.5°	0.8	0.8	0.8	0.8	0.8
65°	0.8	0.8	0.8	0.8	0.8
67.5°	0.8	0.8	0.8	0.8	0.8
70°	0.4	0.4	0.4	0.8	0.4
72.5°	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4
77.5°	0.4	0.4	0.4	0.4	0.4
80°	0.4	0.4	0.4	0.4	0.4
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	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)