

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: P1316778

Luminaire Tested: P3SQAS05R159830DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316778
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R159830DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 98CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

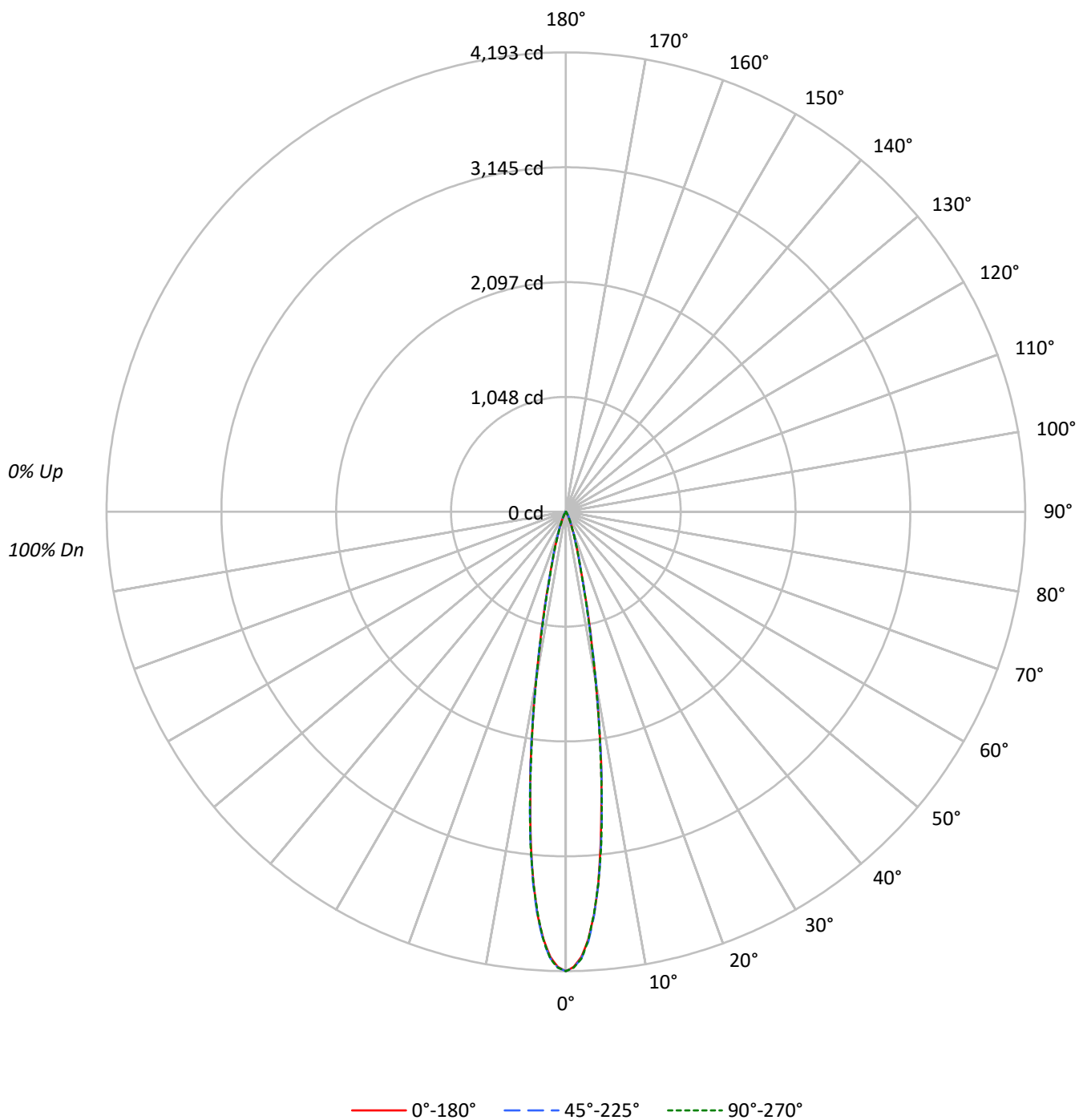
Lumens per Lamp: N/A
Luminaire Lumens: 468.0 lumens
Efficiency: N/A
Efficacy: 65.0 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1316778

CATALOG NUMBER: P3SQAS05R159830DE010 E3SQCD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1316778

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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	116	114	112	111	113	112	110	109	108	107	106		104	103	102		101
2	113	109	107	105	111	108	106	104	105	103	101		102	101	99		99
3	110	106	103	100	108	105	102	100	102	100	98		100	98	97		98
4	107	103	99	97	106	102	99	96	100	97	95		98	96	94		96
5	105	100	97	94	104	99	96	94	98	95	93		96	94	92		95
6	103	97	94	92	102	97	94	91	96	93	91		94	92	90		93
7	101	95	92	90	100	95	92	89	94	91	89		93	90	88		92
8	99	93	90	88	98	93	90	88	92	89	87		91	89	87		90
9	97	91	88	86	96	91	88	86	90	88	86		90	87	85		89
10	95	90	87	84	95	90	86	84	89	86	84		88	86	84		88

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	722181	722181	722181
5°	587984	589903	588745
10°	274281	276747	273249
15°	86136	86849	86332
20°	34126	35482	33045
25°	13796	16665	13302
30°	5528	7577	5230
35°	1640	3343	1556
40°	495	1259	427
45°	97	268	97
50°	0	107	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 268 cd/sqm

TEST NUMBER: P1316778

CATALOG NUMBER: P3SQAS05R159830DE010 E3SQCD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.5	56.1
10°-20°	157.0	33.5
20°-30°	39.6	8.5
30°-40°	8.1	1.7
40°-50°	0.8	0.2
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	459.2	98.1
0°-40°	467.2	99.8
0°-60°	468.0	100.0
0°-90°	468.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	468.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4193	4193	4193	4193	4193	
5°	3401	3395	3412	3404	3406	262
15°	483	487	487	480	484	157
25°	73	79	88	78	70	37
35°	8	10	16	10	7	6
45°	0	1	1	1	0	0
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1316778

CATALOG NUMBER: P3SQAS05R159830DE010 E3SQCD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4193.3	4193.3	4193.3	4193.3	4193.3
1°	4155.5	4169.6	4162.2	4168.1	4161.4
2°	4065.6	4084.4	4078.5	4076.7	4081.8
3°	3907.1	3929.0	3928.2	3922.7	3913.8
4°	3690.9	3682.1	3695.8	3694.3	3679.1
5°	3401.1	3394.8	3412.2	3403.7	3405.5
6°	3046.5	3073.9	3068.0	3068.7	3075.7
7°	2665.6	2680.4	2693.0	2703.3	2688.9
8°	2315.8	2312.1	2313.2	2325.0	2285.0
9°	1924.1	1947.1	1932.3	1908.6	1923.8
10°	1568.4	1582.5	1582.5	1561.7	1562.5
11°	1250.4	1261.9	1253.8	1258.9	1226.4
12°	1008.0	979.5	972.8	978.0	977.6
13°	769.6	771.4	769.6	769.2	765.5
14°	603.4	613.0	608.9	598.9	594.5
15°	483.1	487.1	487.1	480.1	484.2
17.5°	290.2	295.0	296.1	291.3	291.3
20°	186.2	188.4	193.6	186.6	180.3
22.5°	114.8	119.6	128.4	118.1	112.9
25°	72.6	79.2	87.7	77.7	70.0
27.5°	45.5	51.1	58.5	48.9	44.0
30°	27.8	31.5	38.1	30.7	26.3
32.5°	15.5	18.5	24.1	17.8	14.8
35°	7.8	10.4	15.9	10.0	7.4
37.5°	4.4	5.6	10.0	4.8	4.1
40°	2.2	3.0	5.6	3.0	1.9
42.5°	0.7	1.5	2.2	1.5	0.7
45°	0.4	0.7	1.1	0.7	0.4
47.5°	0.0	0.0	0.4	0.0	0.0
50°	0.0	0.0	0.4	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
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



TEST NUMBER: P1316778

CATALOG NUMBER: P3SQAS05R159830DE010 E3SQCD1MB

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)