

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: P1308330

Luminaire Tested: P3SQAS20R359030D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308330
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R359030D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

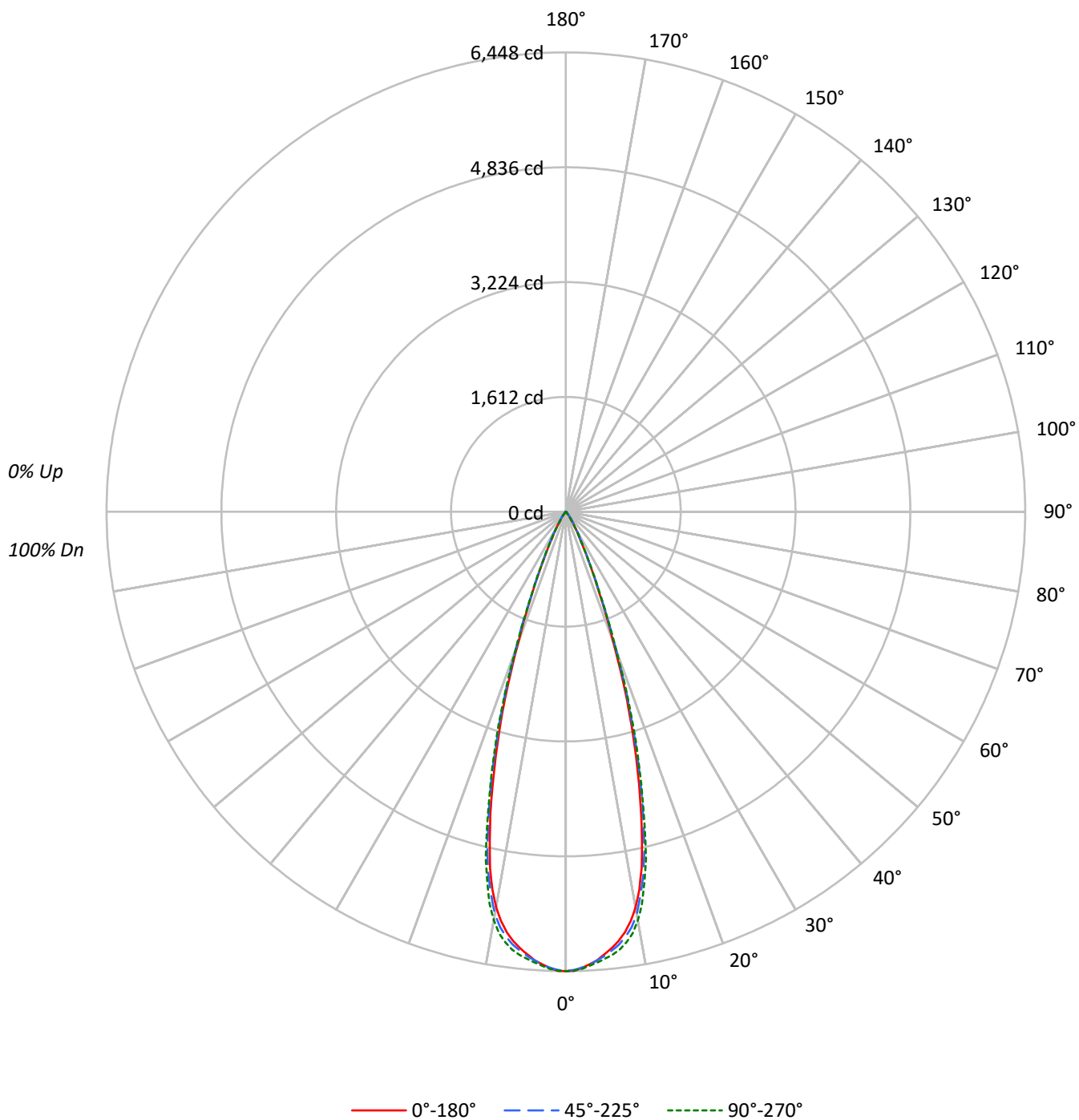
Lumens per Lamp: N/A
Luminaire Lumens: 2166.1 lumens
Efficiency: N/A
Efficacy: 75.2 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	113	111	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	103	100	102	100	98		99	98	96		97
3	107	102	98	95	105	101	97	95	98	96	93		96	94	92		94
4	103	98	94	91	102	97	93	90	95	92	89		93	90	88		91
5	100	94	90	86	99	93	89	86	91	88	85		90	87	85		89
6	97	90	86	83	96	90	86	83	88	85	82		87	84	82		86
7	94	87	83	80	93	87	82	79	85	82	79		84	81	79		83
8	91	84	80	77	90	84	79	77	83	79	76		82	78	76		81
9	88	81	77	74	88	81	77	74	80	76	74		79	76	74		79
10	86	79	75	72	85	78	74	72	78	74	71		77	74	71		76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1110526	1110526	1110526
5°	1077668	1081454	1088767
10°	985778	1002916	1018288
15°	707593	733518	741060
20°	355939	376686	377621
25°	134900	139081	139708
30°	54787	62861	53773
35°	19910	30212	19195
40°	8363	12927	7981
45°	2070	5358	2070
50°	1366	2277	1366
55°	1531	1531	1531
60°	1757	1757	1757
65°	1386	1386	1386
70°	856	856	856
75°	1131	1131	1131
80°	1686	1686	1686
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 5358 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	583.0	26.9
10°-20°	1086.1	50.1
20°-30°	390.6	18.0
30°-40°	82.1	3.8
40°-50°	14.1	0.7
50°-60°	4.7	0.2
60°-70°	3.4	0.2
70°-80°	1.8	0.1
80°-90°	0.3	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°	2059.8	95.1
0°-40°	2141.8	98.9
0°-60°	2160.6	99.7
0°-90°	2166.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2166.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6448	6448	6448	6448	6448	
5°	6234	6245	6256	6298	6298	578
15°	3969	4038	4114	4158	4156	1056
25°	710	720	732	739	735	377
35°	95	112	144	110	91	72
45°	8	14	22	14	8	10
55°	5	5	5	5	5	5
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6448.2	6448.2	6448.2	6448.2	6448.2
1°	6444.8	6444.8	6431.3	6446.5	6441.4
2°	6409.3	6412.7	6404.3	6422.9	6421.2
3°	6360.3	6368.8	6362.0	6389.1	6380.6
4°	6307.9	6314.7	6311.3	6345.1	6341.7
5°	6233.6	6245.4	6255.5	6297.8	6297.8
6°	6157.5	6169.3	6191.3	6236.9	6252.1
7°	6069.6	6084.8	6120.3	6181.2	6191.3
8°	5958.0	5974.9	6024.0	6089.9	6103.4
9°	5819.4	5844.8	5900.6	5980.0	5988.5
10°	5636.9	5657.2	5734.9	5800.9	5822.8
11°	5400.3	5417.2	5486.5	5593.0	5606.5
12°	5112.9	5133.2	5222.8	5292.1	5305.6
13°	4749.5	4788.4	4896.6	4964.2	5001.4
14°	4376.0	4428.4	4506.1	4602.5	4578.8
15°	3968.6	4037.9	4114.0	4158.0	4156.3
17.5°	2969.7	3010.3	3077.9	3103.3	3137.1
20°	1942.1	1994.5	2055.3	2079.0	2060.4
22.5°	1205.1	1218.7	1237.2	1247.4	1244.0
25°	709.9	720.0	731.9	738.6	735.2
27.5°	427.6	451.3	468.2	447.9	436.1
30°	275.5	285.6	316.1	289.0	270.4
32.5°	164.0	187.6	213.0	180.9	157.2
35°	94.7	111.6	143.7	109.9	91.3
37.5°	60.8	69.3	93.0	67.6	59.2
40°	37.2	47.3	57.5	43.9	35.5
42.5°	18.6	28.7	33.8	25.4	18.6
45°	8.5	13.5	22.0	13.5	8.5
47.5°	5.1	6.8	13.5	6.8	5.1
50°	5.1	5.1	8.5	5.1	5.1
52.5°	5.1	5.1	5.1	5.1	5.1
55°	5.1	5.1	5.1	5.1	5.1
57.5°	5.1	5.1	5.1	5.1	5.1
60°	5.1	5.1	5.1	5.1	5.1
62.5°	3.4	3.4	3.4	3.4	3.4
65°	3.4	3.4	3.4	3.4	3.4
67.5°	3.4	3.4	3.4	3.4	3.4
70°	1.7	1.7	1.7	1.7	1.7
72.5°	1.7	1.7	1.7	1.7	1.7
75°	1.7	1.7	1.7	1.7	1.7
77.5°	1.7	1.7	1.7	1.7	1.7
80°	1.7	1.7	1.7	1.7	1.7
82.5°	1.7	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)