

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: P1314705

Luminaire Tested: P3SQAS20R359735D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314705
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: P3SQAS20R359735D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

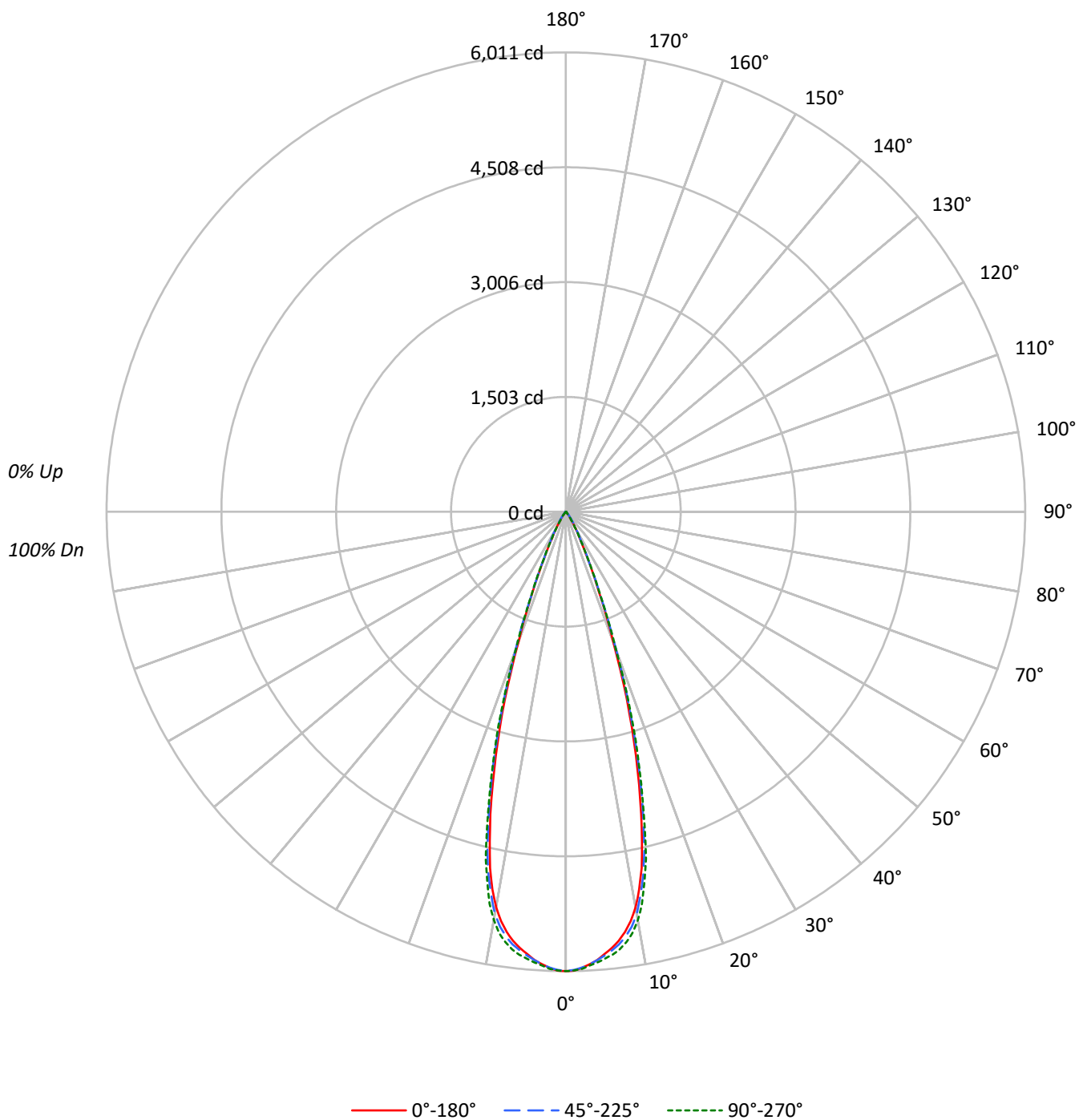
Lumens per Lamp: N/A
Luminaire Lumens: 2019.0 lumens
Efficiency: N/A
Efficacy: 70.1 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	115	113	111	109	112	110	109	107	106	105	104		103	102	101		99	99	98	96
2	111	107	104	101	109	105	103	100	102	100	98		99	98	96		97	95	94	93
3	107	102	98	95	105	101	97	95	98	96	93		96	94	92		94	92	90	89
4	103	98	94	91	102	97	93	90	95	92	89		93	90	88		91	89	87	86
5	100	94	90	86	99	93	89	86	91	88	85		90	87	85		89	86	84	83
6	97	90	86	83	96	90	86	83	88	85	82		87	84	82		86	83	81	80
7	94	87	83	80	93	87	82	79	85	82	79		84	81	79		83	81	78	77
8	91	84	80	77	90	84	79	77	83	79	76		82	78	76		81	78	76	75
9	88	81	77	74	88	81	77	74	80	76	74		79	76	74		79	76	73	72
10	86	79	75	72	85	78	74	72	78	74	71		77	74	71		76	73	71	70

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1035161	1035161	1035161
5°	1004522	1008066	1014878
10°	918869	934853	949176
15°	659578	683737	690762
20°	331784	351119	351999
25°	125741	129636	130225
30°	51069	58586	50134
35°	18544	28152	17892
40°	7801	12050	7442
45°	1924	4993	1924
50°	1259	2117	1259
55°	1411	1411	1411
60°	1619	1619	1619
65°	1304	1304	1304
70°	806	806	806
75°	1065	1065	1065
80°	1587	1587	1587
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 4993 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	543.4	26.9
10°-20°	1012.4	50.1
20°-30°	364.1	18.0
30°-40°	76.5	3.8
40°-50°	13.2	0.7
50°-60°	4.3	0.2
60°-70°	3.2	0.2
70°-80°	1.7	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°	1920.0	95.1
0°-40°	1996.5	98.9
0°-60°	2013.9	99.7
0°-90°	2019.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2019.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6011	6011	6011	6011	6011	
5°	5810	5822	5831	5870	5870	539
15°	3699	3764	3835	3876	3874	984
25°	662	671	682	688	685	352
35°	88	104	134	102	85	67
45°	8	13	20	13	8	9
55°	5	5	5	5	5	4
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°	6010.6	6010.6	6010.6	6010.6	6010.6
1°	6007.4	6007.4	5994.8	6009.0	6004.3
2°	5974.4	5977.5	5969.6	5987.0	5985.4
3°	5928.7	5936.5	5930.2	5955.4	5947.6
4°	5879.8	5886.1	5883.0	5914.5	5911.3
5°	5810.5	5821.5	5831.0	5870.4	5870.4
6°	5739.6	5750.6	5771.1	5813.7	5827.8
7°	5657.7	5671.9	5704.9	5761.7	5771.1
8°	5553.7	5569.4	5615.1	5676.6	5689.2
9°	5424.5	5448.1	5500.1	5574.2	5582.0
10°	5254.3	5273.2	5345.7	5407.2	5427.6
11°	5033.8	5049.5	5114.1	5213.4	5226.0
12°	4765.9	4784.8	4868.3	4932.9	4945.5
13°	4427.2	4463.4	4564.3	4627.3	4661.9
14°	4079.0	4127.8	4200.3	4290.1	4268.1
15°	3699.3	3763.9	3834.8	3875.8	3874.2
17.5°	2768.2	2806.0	2869.0	2892.6	2924.2
20°	1810.3	1859.1	1915.8	1937.9	1920.6
22.5°	1123.3	1135.9	1153.3	1162.7	1159.6
25°	661.7	671.2	682.2	688.5	685.3
27.5°	398.6	420.7	436.4	417.5	406.5
30°	256.8	266.3	294.6	269.4	252.1
32.5°	152.8	174.9	198.5	168.6	146.5
35°	88.2	104.0	133.9	102.4	85.1
37.5°	56.7	64.6	86.7	63.0	55.1
40°	34.7	44.1	53.6	41.0	33.1
42.5°	17.3	26.8	31.5	23.6	17.3
45°	7.9	12.6	20.5	12.6	7.9
47.5°	4.7	6.3	12.6	6.3	4.7
50°	4.7	4.7	7.9	4.7	4.7
52.5°	4.7	4.7	4.7	4.7	4.7
55°	4.7	4.7	4.7	4.7	4.7
57.5°	4.7	4.7	4.7	4.7	4.7
60°	4.7	4.7	4.7	4.7	4.7
62.5°	3.2	3.2	3.2	3.2	3.2
65°	3.2	3.2	3.2	3.2	3.2
67.5°	3.2	3.2	3.2	3.2	3.2
70°	1.6	1.6	1.6	1.6	1.6
72.5°	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6
82.5°	1.6	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)