

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: P1318305

Luminaire Tested: P3SQAS20R359835D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318305
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: P3SQAS20R359835D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

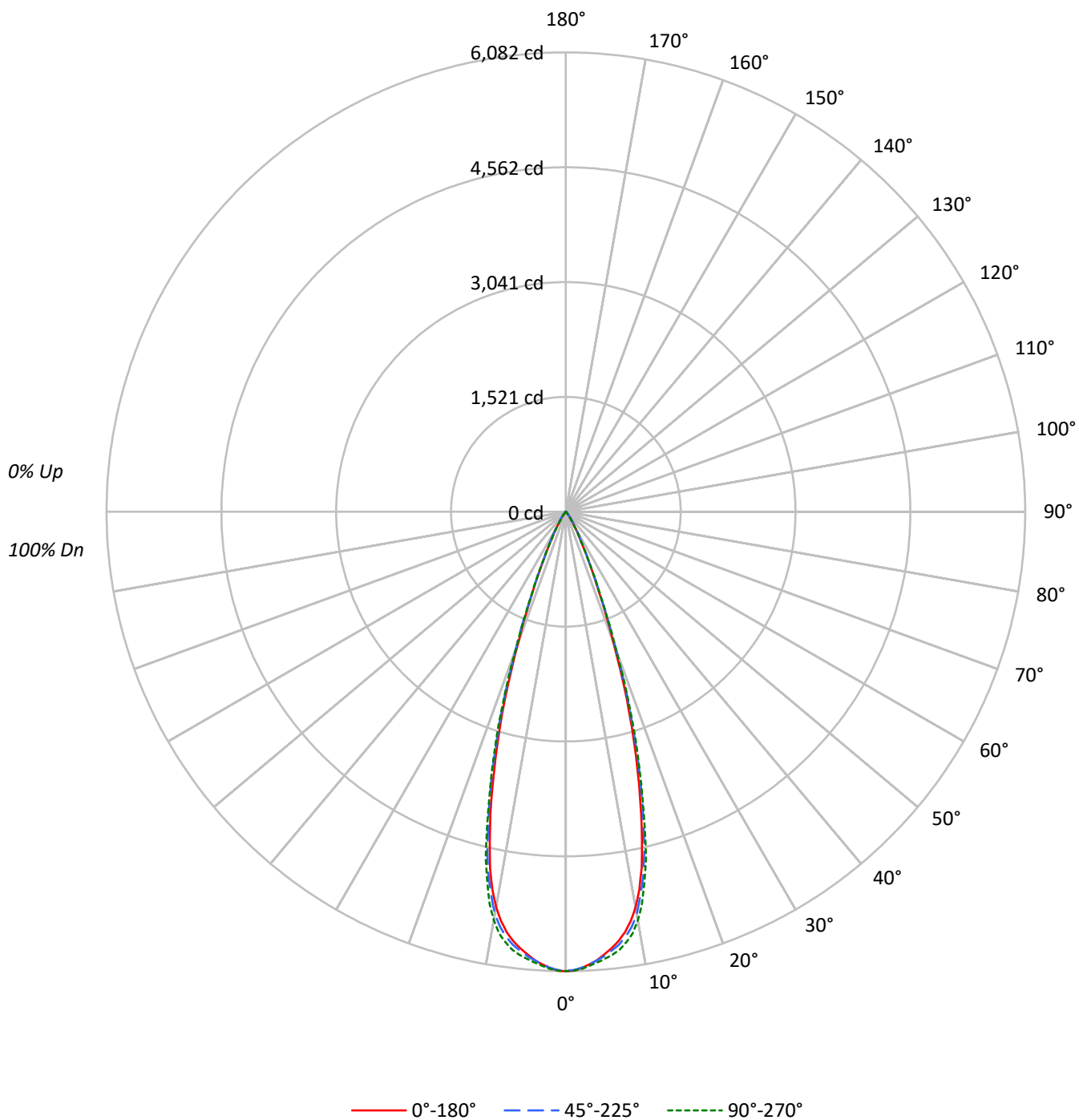
Lumens per Lamp: N/A
Luminaire Lumens: 2043.0 lumens
Efficiency: N/A
Efficacy: 74.6 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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°	1047458	1047458	1047458
5°	1016468	1020047	1026945
10°	929799	945975	960473
15°	667423	691868	698964
20°	335724	355298	356178
25°	127242	131175	131783
30°	51685	59282	50731
35°	18775	28488	18102
40°	7891	12185	7531
45°	1948	5042	1948
50°	1286	2143	1286
55°	1441	1441	1441
60°	1653	1653	1653
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: 5042 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	549.9	26.9
10°-20°	1024.4	50.1
20°-30°	368.5	18.0
30°-40°	77.4	3.8
40°-50°	13.3	0.7
50°-60°	4.4	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°	1942.8	95.1
0°-40°	2020.2	98.9
0°-60°	2037.9	99.7
0°-90°	2043.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2043.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6082	6082	6082	6082	6082	
5°	5880	5891	5900	5940	5940	545
15°	3743	3809	3880	3922	3920	996
25°	670	679	690	697	694	356
35°	89	105	136	104	86	68
45°	8	13	21	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°	6082.0	6082.0	6082.0	6082.0	6082.0
1°	6078.8	6078.8	6066.1	6080.4	6075.7
2°	6045.4	6048.6	6040.6	6058.1	6056.5
3°	5999.1	6007.1	6000.7	6026.2	6018.3
4°	5949.7	5956.1	5952.9	5984.8	5981.6
5°	5879.6	5890.7	5900.3	5940.2	5940.2
6°	5807.8	5819.0	5839.7	5882.8	5897.1
7°	5724.9	5739.3	5772.8	5830.1	5839.7
8°	5619.7	5635.6	5681.9	5744.1	5756.8
9°	5489.0	5512.9	5565.5	5640.4	5648.4
10°	5316.8	5335.9	5409.3	5471.4	5492.2
11°	5093.6	5109.5	5174.9	5275.4	5288.1
12°	4822.6	4841.7	4926.2	4991.6	5004.3
13°	4479.8	4516.5	4618.5	4682.3	4717.4
14°	4127.5	4176.9	4250.3	4341.1	4318.8
15°	3743.3	3808.6	3880.4	3921.8	3920.2
17.5°	2801.1	2839.3	2903.1	2927.0	2958.9
20°	1831.8	1881.2	1938.6	1960.9	1943.4
22.5°	1136.7	1149.4	1167.0	1176.6	1173.4
25°	669.6	679.1	690.3	696.7	693.5
27.5°	403.3	425.7	441.6	422.5	411.3
30°	259.9	269.4	298.1	272.6	255.1
32.5°	154.6	177.0	200.9	170.6	148.3
35°	89.3	105.2	135.5	103.6	86.1
37.5°	57.4	65.4	87.7	63.8	55.8
40°	35.1	44.6	54.2	41.5	33.5
42.5°	17.5	27.1	31.9	23.9	17.5
45°	8.0	12.8	20.7	12.8	8.0
47.5°	4.8	6.4	12.8	6.4	4.8
50°	4.8	4.8	8.0	4.8	4.8
52.5°	4.8	4.8	4.8	4.8	4.8
55°	4.8	4.8	4.8	4.8	4.8
57.5°	4.8	4.8	4.8	4.8	4.8
60°	4.8	4.8	4.8	4.8	4.8
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)