

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: P1306238

Luminaire Tested: P3SQASS20R359024D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306238
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQASS20R359024D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

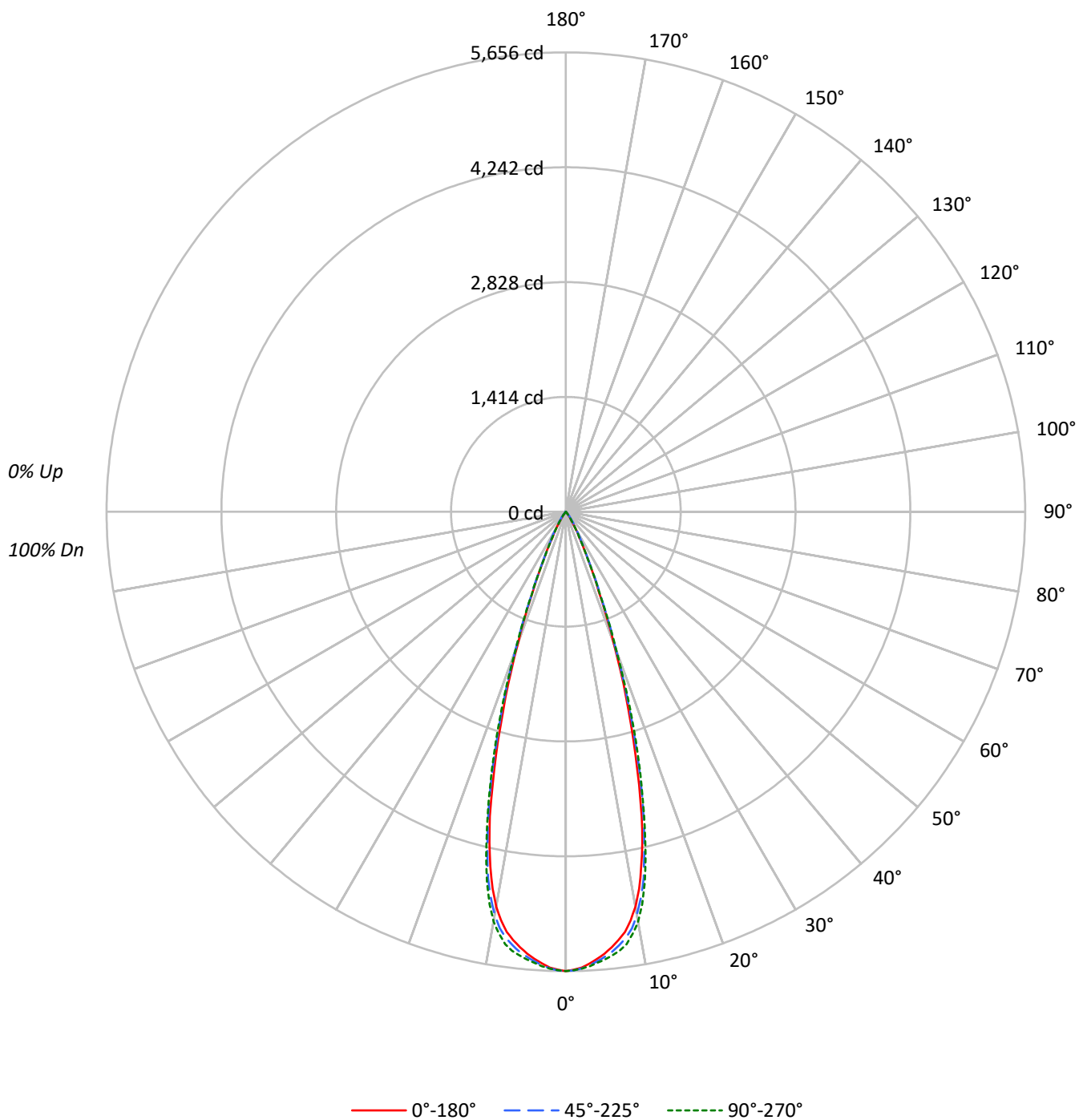
Lumens per Lamp: N/A
Luminaire Lumens: 1883.0 lumens
Efficiency: N/A
Efficacy: 65.4 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	98
1	115	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	96	95	94
2	111	107	104	102	109	106	103	100	102	100	98	100	98	96	97	96	94	93	92	91
3	107	102	99	96	105	101	98	95	99	96	94	96	94	92	94	92	91	89	88	87
4	104	98	94	91	102	97	93	90	95	92	89	93	91	88	92	89	87	86	85	84
5	100	94	90	87	99	93	90	87	92	88	86	90	87	85	89	86	84	83	82	81
6	97	91	86	83	96	90	86	83	89	85	83	88	84	82	86	84	82	80	79	78
7	94	88	83	80	93	87	83	80	86	82	80	85	82	79	84	81	79	77	76	75
8	91	85	80	77	91	84	80	77	83	80	77	82	79	77	81	79	76	74	73	72
9	89	82	78	75	88	81	77	75	81	77	74	80	77	74	79	76	74	71	70	69
10	86	79	75	72	85	79	75	72	78	75	72	78	74	72	77	74	72	69	67	65

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	974005	974005	974005
5°	944463	951154	956323
10°	863048	881305	896432
15°	620655	647774	653088
20°	315985	331839	332663
25°	119888	122434	119033
30°	46574	53972	45381
35°	16000	25082	15054
40°	5373	9735	5036
45°	365	3264	365
50°	0	402	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: 3264 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	511.9	27.2
10°-20°	953.8	50.7
20°-30°	342.8	18.2
30°-40°	66.9	3.6
40°-50°	7.5	0.4
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°	1808.6	96.0
0°-40°	1875.5	99.6
0°-60°	1883.0	100.0
0°-90°	1883.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1883.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5656	5656	5656	5656	5656	
5°	5463	5478	5502	5527	5532	506
15°	3481	3539	3633	3658	3663	925
25°	631	637	644	640	626	331
35°	76	86	119	88	72	57
45°	2	4	13	4	2	4
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5655.5	5655.5	5655.5	5655.5	5655.5
1°	5639.1	5646.5	5648.0	5658.4	5646.5
2°	5615.2	5619.7	5625.6	5634.6	5628.6
3°	5569.0	5577.9	5591.3	5603.3	5603.3
4°	5519.7	5531.7	5548.1	5569.0	5567.5
5°	5463.1	5478.0	5501.8	5527.2	5531.7
6°	5391.5	5409.4	5448.2	5483.9	5489.9
7°	5315.4	5342.3	5379.5	5431.7	5445.2
8°	5225.9	5246.8	5300.5	5361.7	5376.6
9°	5094.7	5126.0	5194.6	5251.3	5260.2
10°	4935.1	4957.5	5039.5	5099.2	5126.0
11°	4729.3	4762.1	4842.6	4903.8	4921.7
12°	4466.8	4514.5	4608.5	4653.2	4668.1
13°	4183.4	4223.7	4296.8	4352.0	4363.9
14°	3864.3	3903.0	3979.1	4023.8	4013.4
15°	3481.0	3539.1	3633.1	3658.4	3662.9
17.5°	2571.2	2608.5	2692.0	2732.3	2760.6
20°	1724.1	1759.9	1810.6	1837.4	1815.1
22.5°	1048.5	1078.3	1105.1	1103.6	1096.2
25°	630.9	636.8	644.3	639.8	626.4
27.5°	368.4	384.8	407.2	392.2	369.9
30°	234.2	247.6	271.4	246.1	228.2
32.5°	123.8	156.6	182.0	147.7	129.8
35°	76.1	86.5	119.3	88.0	71.6
37.5°	46.2	53.7	74.6	52.2	41.8
40°	23.9	34.3	43.3	31.3	22.4
42.5°	7.5	16.4	23.9	14.9	7.5
45°	1.5	4.5	13.4	4.5	1.5
47.5°	0.0	0.0	6.0	1.5	0.0
50°	0.0	0.0	1.5	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



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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)