

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: P1318256

Luminaire Tested: P3SQAS20R209835D010 E3SQPH1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318256
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R209835D010 E3SQPH1MMS
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 98CRI , E3SQPH1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

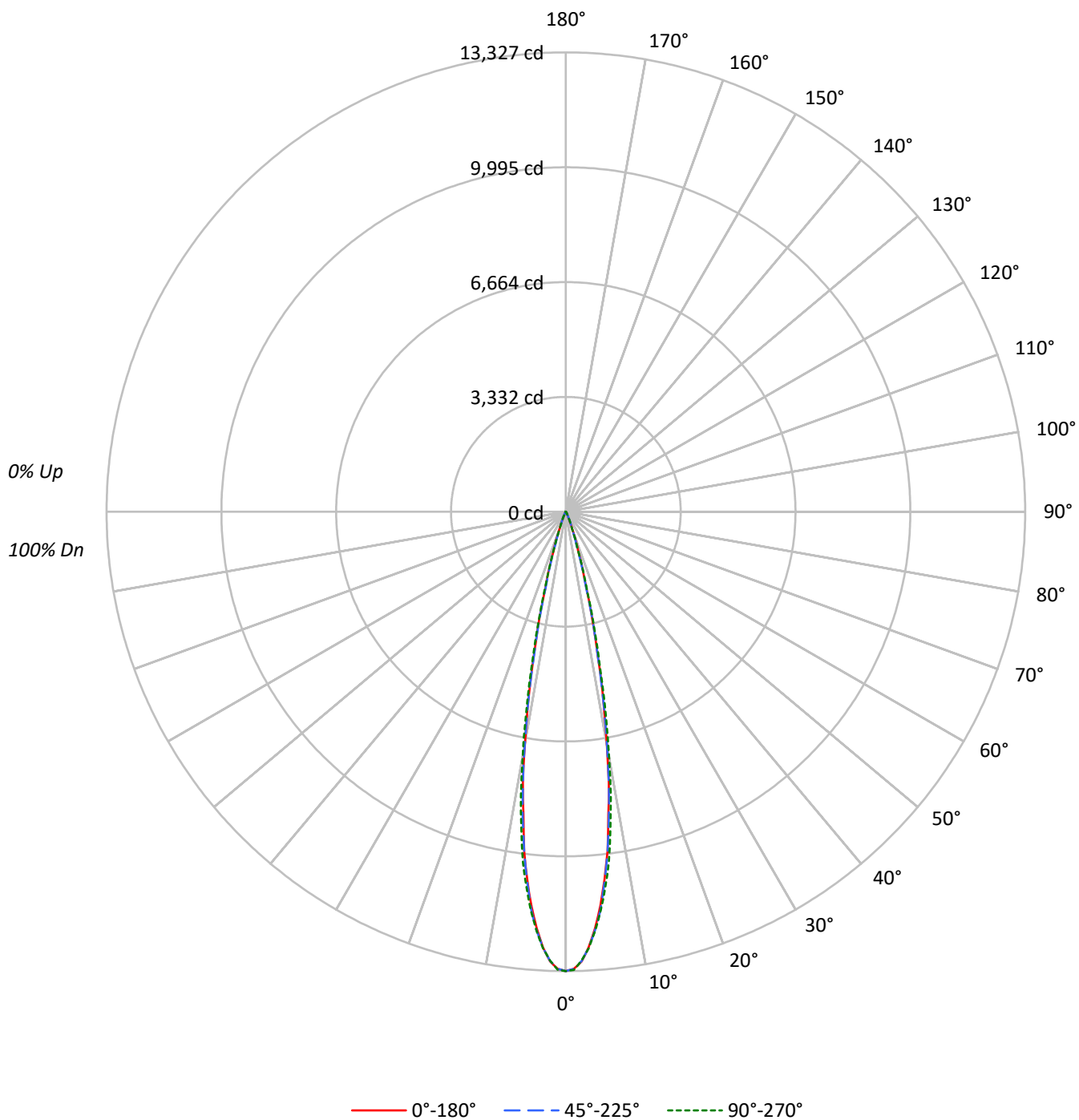
Lumens per Lamp: N/A
Luminaire Lumens: 1790.0 lumens
Efficiency: N/A
Efficacy: 65.3 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1318256

CATALOG NUMBER: P3SQAS20R209835D010 E3SQPH1MMS

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	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	95	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	92	92	91
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	90	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	88	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	87	87	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85	85	85
10	95	90	87	85	95	90	87	85	89	86	84	88	86	84	88	86	84	84	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2295228	2295228	2295228
5°	1982801	2001282	2008716
10°	1193622	1204780	1264746
15°	412849	403185	435315
20°	108426	102011	102304
25°	23639	28485	32419
30°	10142	10142	10460
35°	5698	5025	5361
40°	2518	2878	3237
45°	779	1169	1169
50°	429	429	429
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: 22.5°

Vertical Angle: 45°

Luminance: 1169 cd/sqm

TEST NUMBER: P1318256

CATALOG NUMBER: P3SQAS20R209835D010 E3SQPH1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	953.2	53.3
10°-20°	725.7	40.5
20°-30°	89.7	5.0
30°-40°	17.0	0.9
40°-50°	4.1	0.2
50°-60°	0.3	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°	1768.7	98.8
0°-40°	1785.6	99.8
0°-60°	1790.0	100.0
0°-90°	1790.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1790.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13327	13327	13327	13327	13327	
5°	11469	11461	11576	11568	11619	946
15°	2316	2233	2261	2397	2442	725
25°	124	142	150	156	171	86
35°	27	27	24	26	26	17
45°	3	5	5	5	5	3
55°	0	0	0	0	0	1
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°	13327.1	13327.1	13327.1	13327.1	13327.1
1°	13264.9	13248.9	13261.7	13234.6	13290.4
2°	13052.8	13036.8	13036.8	13020.9	13028.9
3°	12657.3	12682.8	12666.9	12633.4	12676.4
4°	12118.3	12147.0	12172.5	12174.1	12180.5
5°	11469.2	11461.3	11576.1	11568.1	11619.1
6°	10729.3	10719.7	10769.1	10852.1	10954.1
7°	9916.0	9799.6	9931.9	10099.4	10236.5
8°	8863.5	8893.8	8984.7	9182.4	9292.4
9°	7970.4	7793.4	7986.4	8222.4	8342.0
10°	6825.4	6681.9	6889.2	7138.0	7232.1
12.5°	4296.2	4171.8	4238.8	4500.3	4541.8
15°	2315.5	2232.6	2261.3	2396.9	2441.5
17.5°	1181.7	1106.7	1090.8	1176.9	1186.5
20°	591.6	574.1	556.6	564.5	558.2
22.5°	274.3	298.2	295.0	279.1	298.2
25°	124.4	141.9	149.9	156.3	170.6
27.5°	76.5	73.4	84.5	90.9	92.5
30°	51.0	49.4	51.0	52.6	52.6
32.5°	36.7	35.1	33.5	33.5	35.1
35°	27.1	27.1	23.9	25.5	25.5
37.5°	19.1	19.1	17.5	19.1	19.1
40°	11.2	12.8	12.8	12.8	14.4
42.5°	6.4	8.0	8.0	8.0	8.0
45°	3.2	4.8	4.8	4.8	4.8
47.5°	1.6	1.6	1.6	3.2	3.2
50°	1.6	1.6	1.6	1.6	1.6
52.5°	1.6	0.0	0.0	0.0	1.6
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
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)