

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: P1314656

Luminaire Tested: P3SQAS20R209735D010 E3SQPH1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314656
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: P3SQAS20R209735D010 E3SQPH1MMS
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 97CRI , E3SQPH1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

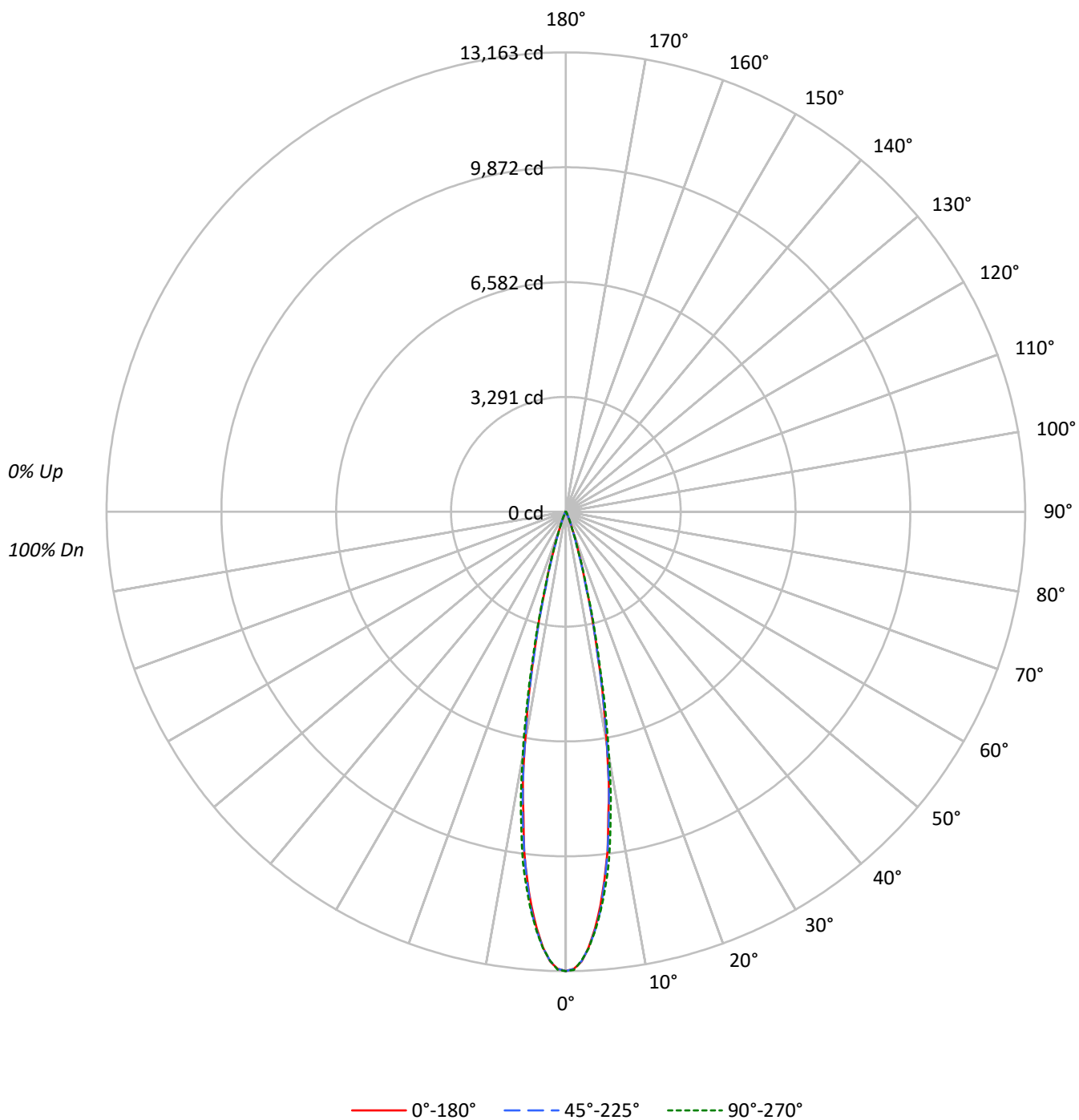
Lumens per Lamp: N/A
Luminaire Lumens: 1768.0 lumens
Efficiency: N/A
Efficacy: 61.4 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1314656

CATALOG NUMBER: P3SQAS20R209735D010 E3SQPH1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1314656

CATALOG NUMBER: P3SQAS20R209735D010 E3SQPH1MMS

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°	2267018	2267018	2267018
5°	1958442	1976681	1984029
10°	1178950	1189967	1249199
15°	407785	398229	429966
20°	107106	100747	101040
25°	23354	28143	32019
30°	10023	10023	10341
35°	5635	4962	5298
40°	2473	2833	3192
45°	779	1145	1145
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: 1145 cd/sqm

TEST NUMBER: P1314656

CATALOG NUMBER: P3SQAS20R209735D010 E3SQPH1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	941.5	53.3
10°-20°	716.8	40.5
20°-30°	88.6	5.0
30°-40°	16.8	0.9
40°-50°	4.0	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°	1746.9	98.8
0°-40°	1763.7	99.8
0°-60°	1768.0	100.0
0°-90°	1768.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1768.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13163	13163	13163	13163	13163	
5°	11328	11320	11434	11426	11476	934
15°	2287	2205	2234	2367	2412	716
25°	123	140	148	154	168	85
35°	27	27	24	25	25	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	

TEST NUMBER: P1314656

CATALOG NUMBER: P3SQAS20R209735D010 E3SQPH1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	13163.3	13163.3	13163.3	13163.3	13163.3
1°	13101.8	13086.1	13098.7	13071.9	13127.1
2°	12892.4	12876.6	12876.6	12860.9	12868.7
3°	12501.7	12526.9	12511.2	12478.1	12520.6
4°	11969.3	11997.7	12022.9	12024.5	12030.8
5°	11328.3	11320.4	11433.8	11425.9	11476.3
6°	10597.4	10588.0	10636.8	10718.7	10819.5
7°	9794.1	9679.1	9809.8	9975.2	10110.7
8°	8754.5	8784.4	8874.2	9069.5	9178.2
9°	7872.5	7697.6	7888.2	8121.3	8239.5
10°	6741.5	6599.8	6804.5	7050.2	7143.2
12.5°	4243.4	4120.5	4186.7	4445.0	4485.9
15°	2287.1	2205.2	2233.5	2367.4	2411.5
17.5°	1167.2	1093.1	1077.4	1162.4	1171.9
20°	584.4	567.0	549.7	557.6	551.3
22.5°	270.9	294.5	291.4	275.6	294.5
25°	122.9	140.2	148.1	154.4	168.5
27.5°	75.6	72.5	83.5	89.8	91.4
30°	50.4	48.8	50.4	52.0	52.0
32.5°	36.2	34.7	33.1	33.1	34.7
35°	26.8	26.8	23.6	25.2	25.2
37.5°	18.9	18.9	17.3	18.9	18.9
40°	11.0	12.6	12.6	12.6	14.2
42.5°	6.3	7.9	7.9	7.9	7.9
45°	3.2	4.7	4.7	4.7	4.7
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)