

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: P1318276

Luminaire Tested: P3SQAS20R259835D010 E3SQPHL1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318276
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R259835D010 E3SQPHL1MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 98CRI , E3SQPHL1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

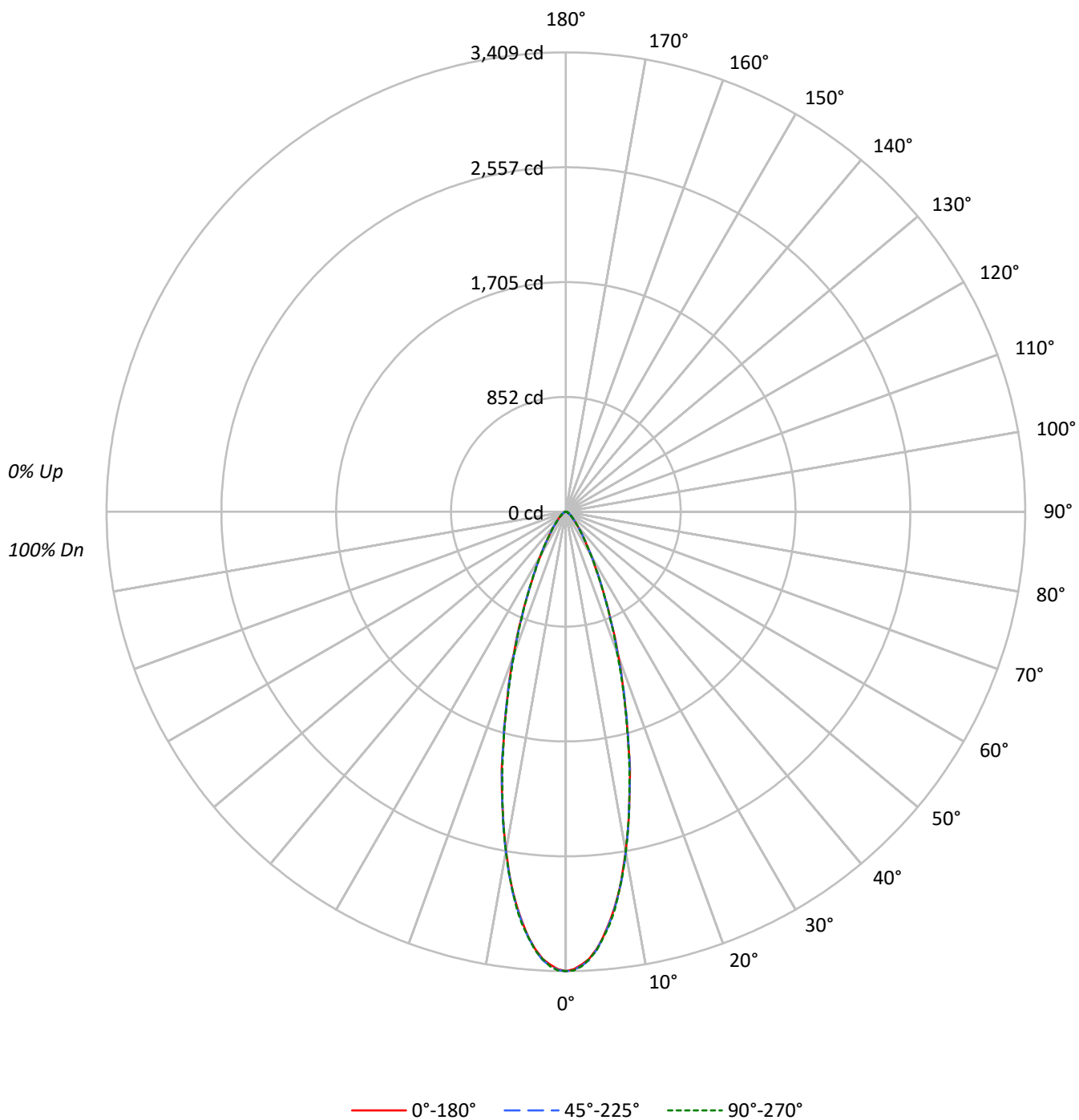
Lumens per Lamp: N/A
Luminaire Lumens: 1366.0 lumens
Efficiency: N/A
Efficacy: 49.9 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1318276

CATALOG NUMBER: P3SQAS20R259835D010 E3SQPHL1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1318276

CATALOG NUMBER: P3SQAS20R259835D010 E3SQPHL1MMS

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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85	82	80	79
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82	78	76	74
6	91	83	78	74	90	82	77	73	81	76	73		79	76	72		78	75	72	71
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75	71	69	67
8	84	76	70	67	83	75	70	66	74	69	66		73	69	66		72	68	66	64
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69	66	63	62
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67	63	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	587141	587141	587141
5°	548031	548584	548861
10°	447009	448391	448391
15°	319278	320990	319278
20°	208952	206900	203986
25°	124239	124848	124239
30°	74833	74833	74515
35°	45602	45939	45602
40°	29047	29407	29407
45°	20191	20191	20191
50°	14522	14951	14951
55°	11500	11500	11980
60°	9334	9886	9886
65°	8436	8436	8436
70°	7251	7251	8006
75°	6388	6388	7453
80°	6347	6347	6347
85°	3162	3162	3162

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 20191 cd/sqm

TEST NUMBER: P1318276

CATALOG NUMBER: P3SQAS20R259835D010 E3SQPHL1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.3	20.7
10°-20°	493.8	36.2
20°-30°	310.4	22.7
30°-40°	142.0	10.4
40°-50°	66.3	4.9
50°-60°	35.7	2.6
60°-70°	21.0	1.5
70°-80°	11.0	0.8
80°-90°	2.4	0.2
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°	1087.6	79.6
0°-40°	1229.6	90.0
0°-60°	1331.6	97.5
0°-90°	1366.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1366.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3409	3409	3409	3409	3409	
5°	3170	3176	3173	3176	3175	283
15°	1791	1802	1800	1803	1791	494
25°	654	662	657	657	654	311
35°	217	217	218	218	217	142
45°	83	83	83	83	83	66
55°	38	38	38	40	40	35
65°	21	21	21	21	21	20
75°	10	10	10	11	11	11
85°	2	2	2	2	2	2
90°	0	0	0	0	0	

TEST NUMBER: P1318276

CATALOG NUMBER: P3SQAS20R259835D010 E3SQPHL1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3409.2	3409.2	3409.2	3409.2	3409.2
1°	3394.8	3398.0	3401.2	3406.0	3404.4
2°	3362.9	3369.3	3370.9	3377.3	3375.7
3°	3319.9	3318.3	3331.0	3331.0	3323.1
4°	3252.9	3256.1	3259.3	3262.5	3264.1
5°	3170.0	3176.4	3173.2	3176.4	3174.8
6°	3067.9	3077.5	3075.9	3079.1	3083.9
7°	2959.5	2965.9	2965.9	2962.7	2975.4
8°	2841.5	2836.7	2844.7	2841.5	2839.9
9°	2701.2	2710.7	2712.3	2704.4	2707.6
10°	2556.1	2562.5	2564.0	2568.8	2564.0
11°	2412.6	2412.6	2415.8	2423.7	2411.0
12°	2256.3	2270.6	2256.3	2262.7	2256.3
13°	2108.0	2111.2	2108.0	2106.4	2095.2
14°	1967.7	1956.5	1959.7	1947.0	1948.5
15°	1790.7	1801.8	1800.3	1803.4	1790.7
17.5°	1439.9	1446.3	1444.7	1441.5	1425.5
20°	1140.1	1140.1	1128.9	1122.6	1113.0
22.5°	870.6	867.4	862.7	857.9	861.1
25°	653.8	661.7	657.0	657.0	653.8
27.5°	494.3	503.9	495.9	491.1	494.3
30°	376.3	379.5	376.3	374.7	374.7
32.5°	283.8	285.4	283.8	283.8	283.8
35°	216.9	216.9	218.5	218.5	216.9
37.5°	167.4	167.4	167.4	167.4	169.0
40°	129.2	130.8	130.8	130.8	130.8
42.5°	102.1	103.6	103.6	103.6	103.6
45°	82.9	82.9	82.9	82.9	82.9
47.5°	67.0	67.0	67.0	67.0	68.6
50°	54.2	55.8	55.8	55.8	55.8
52.5°	46.2	46.2	46.2	46.2	46.2
55°	38.3	38.3	38.3	39.9	39.9
57.5°	31.9	31.9	33.5	33.5	33.5
60°	27.1	28.7	28.7	28.7	28.7
62.5°	23.9	23.9	25.5	25.5	25.5
65°	20.7	20.7	20.7	20.7	20.7
67.5°	17.5	17.5	17.5	17.5	19.1
70°	14.4	14.4	14.4	15.9	15.9
72.5°	12.8	12.8	12.8	12.8	12.8
75°	9.6	9.6	9.6	11.2	11.2
77.5°	8.0	8.0	8.0	8.0	8.0
80°	6.4	6.4	6.4	6.4	6.4
82.5°	3.2	3.2	4.8	4.8	4.8
85°	1.6	1.6	1.6	1.6	1.6
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1318276

CATALOG NUMBER: P3SQAS20R259835D010 E3SQPHL1MMS

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)