

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: P1312732

Luminaire Tested: P3SQAS20R259727D010 E3SQPHL1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312732
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: P3SQAS20R259727D010 E3SQPHL1MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 97CRI , E3SQPHL1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

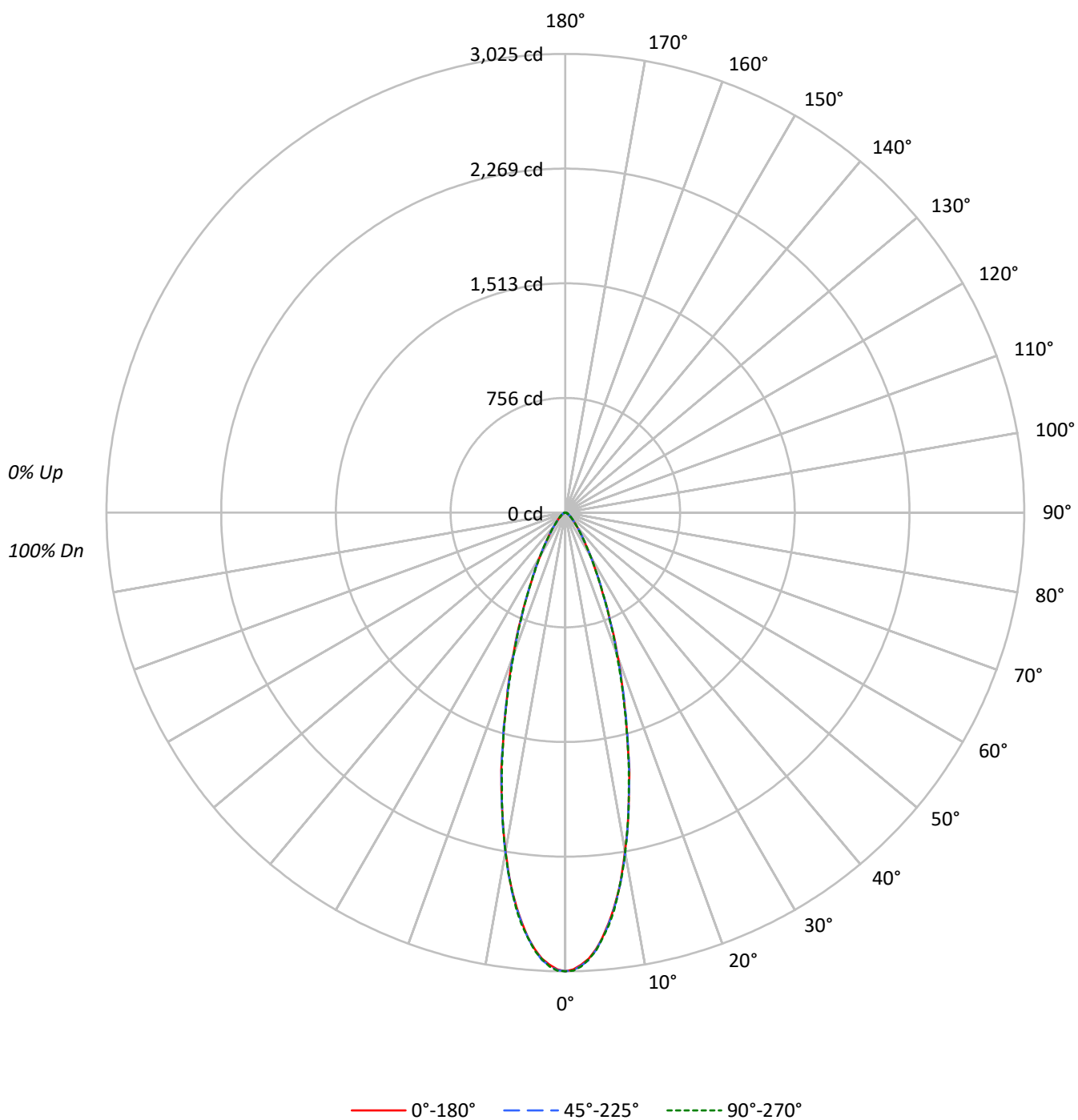
Lumens per Lamp: N/A
Luminaire Lumens: 1212.0 lumens
Efficiency: N/A
Efficacy: 42.1 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1312732

CATALOG NUMBER: P3SQAS20R259727D010 E3SQPHL1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1312732

CATALOG NUMBER: P3SQAS20R259727D010 E3SQPHL1MMS

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	520939	520939	520939
5°	486244	486728	486970
10°	396609	397851	397851
15°	283280	284795	283280
20°	185402	183587	180985
25°	110234	110767	110234
30°	66401	66401	66123
35°	40451	40745	40451
40°	25764	26079	26079
45°	17926	17926	17926
50°	12887	13263	13263
55°	10209	10209	10629
60°	8301	8783	8783
65°	7498	7498	7498
70°	6395	6395	7100
75°	5656	5656	6588
80°	5653	5653	5653
85°	2766	2766	2766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 17926 cd/sqm

TEST NUMBER: P1312732

CATALOG NUMBER: P3SQAS20R259727D010 E3SQPHL1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.4	20.7
10°-20°	438.1	36.2
20°-30°	275.4	22.7
30°-40°	126.0	10.4
40°-50°	58.9	4.9
50°-60°	31.6	2.6
60°-70°	18.7	1.5
70°-80°	9.7	0.8
80°-90°	2.2	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°	965.0	79.6
0°-40°	1091.0	90.0
0°-60°	1181.5	97.5
0°-90°	1212.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1212.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3025	3025	3025	3025	3025	
5°	2813	2818	2815	2818	2817	251
15°	1589	1599	1597	1600	1589	438
25°	580	587	583	583	580	276
35°	192	192	194	194	192	126
45°	74	74	74	74	74	58
55°	34	34	34	35	35	31
65°	18	18	18	18	18	18
75°	8	8	8	10	10	10
85°	1	1	1	1	1	2
90°	0	0	0	0	0	

TEST NUMBER: P1312732

CATALOG NUMBER: P3SQAS20R259727D010 E3SQPHL1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3024.8	3024.8	3024.8	3024.8	3024.8
1°	3012.1	3014.9	3017.7	3022.0	3020.6
2°	2983.8	2989.5	2990.9	2996.5	2995.1
3°	2945.6	2944.2	2955.5	2955.5	2948.4
4°	2886.2	2889.0	2891.8	2894.7	2896.1
5°	2812.6	2818.3	2815.4	2818.3	2816.8
6°	2722.1	2730.5	2729.1	2732.0	2736.2
7°	2625.9	2631.5	2631.5	2628.7	2640.0
8°	2521.2	2516.9	2524.0	2521.2	2519.7
9°	2396.7	2405.1	2406.6	2399.5	2402.3
10°	2267.9	2273.6	2275.0	2279.2	2275.0
11°	2140.6	2140.6	2143.4	2150.5	2139.2
12°	2001.9	2014.7	2001.9	2007.6	2001.9
13°	1870.4	1873.2	1870.4	1868.9	1859.0
14°	1745.9	1735.9	1738.8	1727.5	1728.9
15°	1588.8	1598.7	1597.3	1600.1	1588.8
17.5°	1277.6	1283.2	1281.8	1279.0	1264.8
20°	1011.6	1011.6	1001.7	996.0	987.5
22.5°	772.5	769.6	765.4	761.2	764.0
25°	580.1	587.1	582.9	582.9	580.1
27.5°	438.6	447.1	440.0	435.8	438.6
30°	333.9	336.7	333.9	332.5	332.5
32.5°	251.8	253.2	251.8	251.8	251.8
35°	192.4	192.4	193.8	193.8	192.4
37.5°	148.6	148.6	148.6	148.6	150.0
40°	114.6	116.0	116.0	116.0	116.0
42.5°	90.5	92.0	92.0	92.0	92.0
45°	73.6	73.6	73.6	73.6	73.6
47.5°	59.4	59.4	59.4	59.4	60.8
50°	48.1	49.5	49.5	49.5	49.5
52.5°	41.0	41.0	41.0	41.0	41.0
55°	34.0	34.0	34.0	35.4	35.4
57.5°	28.3	28.3	29.7	29.7	29.7
60°	24.1	25.5	25.5	25.5	25.5
62.5°	21.2	21.2	22.6	22.6	22.6
65°	18.4	18.4	18.4	18.4	18.4
67.5°	15.6	15.6	15.6	15.6	17.0
70°	12.7	12.7	12.7	14.1	14.1
72.5°	11.3	11.3	11.3	11.3	11.3
75°	8.5	8.5	8.5	9.9	9.9
77.5°	7.1	7.1	7.1	7.1	7.1
80°	5.7	5.7	5.7	5.7	5.7
82.5°	2.8	2.8	4.2	4.2	4.2
85°	1.4	1.4	1.4	1.4	1.4
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1312732

CATALOG NUMBER: P3SQAS20R259727D010 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)