

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: P1308398

Luminaire Tested: P3SQAS20R709030D010 E3SQCLDWW1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308398
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-46)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R709030D010 E3SQCLDWW1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3SQCLDWW1MMS TR
Light Source: -
Ballast/Driver: -

Summary

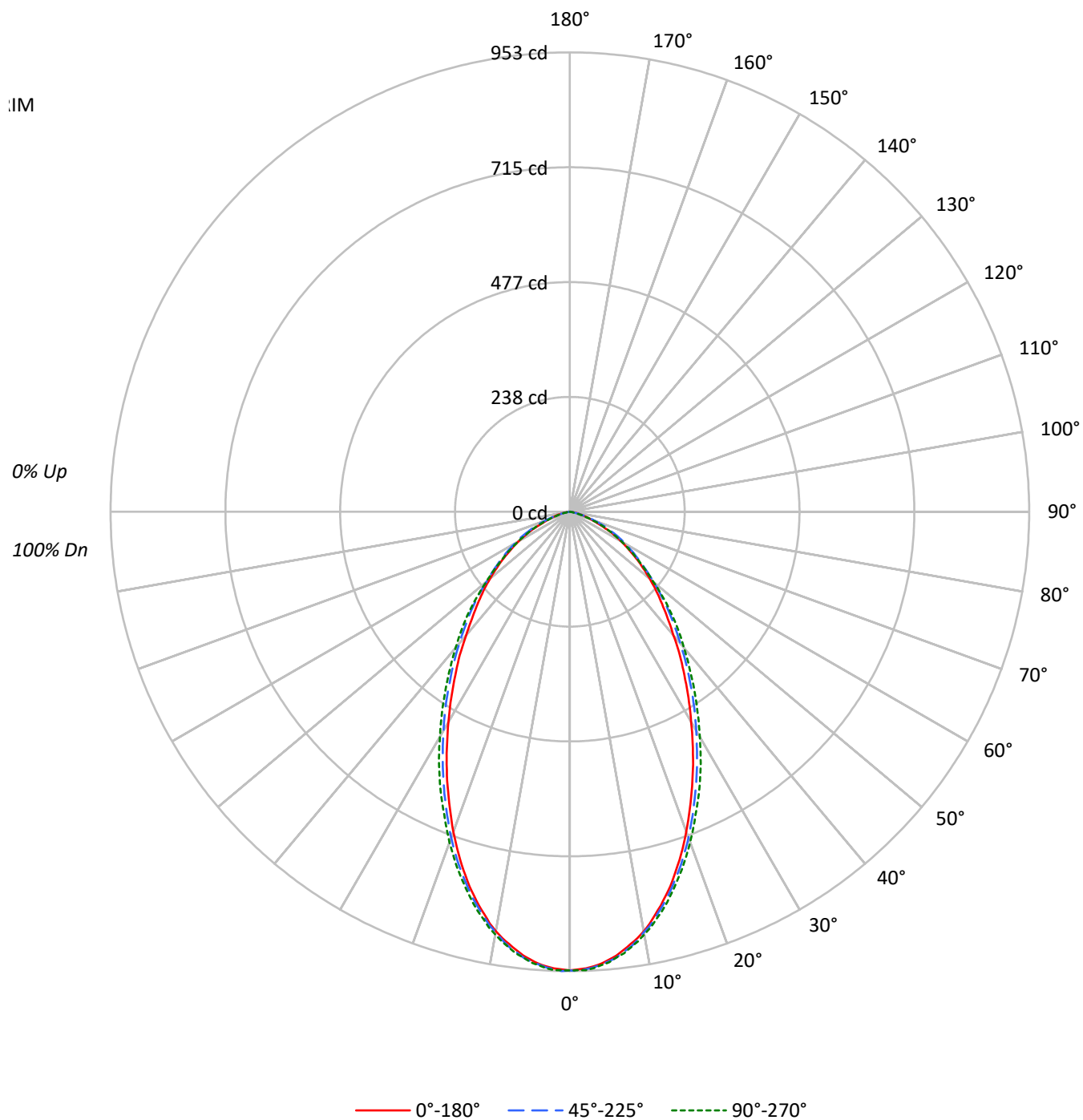
Lumens per Lamp: N/A
Luminaire Lumens: 1362.0 lumens
Efficiency: N/A
Efficacy: 47.3 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1308398

CATALOG NUMBER: P3SQAS20R709030D010 E3SQCLDWW1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1308398

CATALOG NUMBER: P3SQAS20R709030D010 E3SQCLDWW1MMS

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	111	108	104	102	109	106	103	100	101	99	97		98	96	94		94
2	103	97	92	87	101	95	90	86	92	88	84		89	85	82		86
3	96	87	81	76	94	86	80	75	83	78	74		81	76	72		78
4	89	79	72	66	87	78	71	66	76	70	65		74	69	64		72
5	83	72	65	59	81	71	64	59	69	63	58		67	62	58		66
6	78	66	59	53	76	65	58	53	64	57	53		62	56	52		61
7	73	61	53	48	71	60	53	48	59	52	48		58	52	47		56
8	68	57	49	44	67	56	49	44	55	48	44		53	48	43		52
9	64	53	45	40	63	52	45	40	51	45	40		50	44	40		49
10	61	49	42	37	60	49	42	37	48	41	37		47	41	37		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	163853	163853	163853
5°	161263	161851	162145
10°	154558	154856	155748
15°	143423	144618	145830
20°	129466	131940	133791
25°	114643	117855	120743
30°	100149	104186	107208
35°	87041	91667	94505
40°	75225	80171	82824
45°	65859	70389	72435
50°	57953	60660	60660
55°	50234	52756	51255
60°	42505	45398	43056
65°	33049	37858	34435
70°	23818	28098	23818
75°	17966	16835	13508
80°	11703	8331	3372
85°	3359	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 72435 cd/sqm

TEST NUMBER: P1308398

CATALOG NUMBER: P3SQAS20R709030D010 E3SQCLDWW1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.7	6.4
10°-20°	226.4	16.6
20°-30°	284.2	20.9
30°-40°	271.4	19.9
40°-50°	220.7	16.2
50°-60°	154.5	11.3
60°-70°	87.2	6.4
70°-80°	27.6	2.0
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°	598.3	43.9
0°-40°	869.8	63.9
0°-60°	1245.0	91.4
0°-90°	1362.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1362.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	951	951	951	951	951	
5°	933	934	936	934	938	87
15°	804	806	811	813	818	224
25°	603	610	620	630	635	277
35°	414	421	436	444	450	260
45°	270	277	289	294	297	210
55°	167	169	176	172	171	150
65°	81	86	93	88	84	81
75°	27	27	25	22	20	29
85°	2	2	0	0	0	3
90°	0	0	0	0	0	

TEST NUMBER: P1308398

CATALOG NUMBER: P3SQAS20R709030D010 E3SQCLDWW1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	951.4	951.4	951.4	951.4	951.4
1°	949.7	951.4	953.1	949.7	951.4
2°	948.0	949.7	949.7	948.0	951.4
3°	944.6	946.3	946.3	944.6	948.0
4°	939.6	941.3	941.3	939.6	942.9
5°	932.8	934.5	936.2	934.5	937.9
6°	926.0	927.7	929.4	927.7	929.4
7°	915.9	919.3	919.3	919.3	922.7
8°	905.8	909.1	910.8	909.1	912.5
9°	895.6	897.3	899.0	899.0	902.4
10°	883.8	885.5	885.5	887.2	890.6
11°	870.3	870.3	873.7	873.7	878.7
12°	853.4	855.1	858.4	860.1	863.5
13°	838.2	839.9	843.2	844.9	850.0
14°	821.3	824.7	828.0	829.7	834.8
15°	804.4	806.1	811.1	812.8	817.9
17.5°	757.1	758.7	767.2	770.6	775.6
20°	706.4	711.4	719.9	724.9	730.0
22.5°	654.0	659.0	669.2	677.6	681.0
25°	603.3	610.0	620.2	630.3	635.4
27.5°	552.6	559.3	571.2	581.3	588.1
30°	503.6	510.3	523.9	532.3	539.1
32.5°	458.0	464.7	479.9	488.4	493.4
35°	414.0	420.8	436.0	444.4	449.5
37.5°	375.1	381.9	395.4	403.9	407.3
40°	334.6	343.0	356.6	365.0	368.4
42.5°	300.8	307.6	321.1	327.8	332.9
45°	270.4	277.1	289.0	294.0	297.4
47.5°	243.3	246.7	256.9	258.5	261.9
50°	216.3	219.7	226.4	228.1	226.4
52.5°	191.0	194.3	199.4	197.7	197.7
55°	167.3	169.0	175.7	172.4	170.7
57.5°	143.6	147.0	153.8	148.7	147.0
60°	123.4	126.7	131.8	128.4	125.0
62.5°	103.1	104.8	113.2	106.5	103.1
65°	81.1	86.2	92.9	87.9	84.5
67.5°	60.8	69.3	76.0	69.3	65.9
70°	47.3	50.7	55.8	52.4	47.3
72.5°	35.5	37.2	38.9	35.5	32.1
75°	27.0	27.0	25.3	22.0	20.3
77.5°	18.6	18.6	15.2	10.1	10.1
80°	11.8	11.8	8.4	3.4	3.4
82.5°	5.1	5.1	3.4	1.7	1.7
85°	1.7	1.7	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1308398

CATALOG NUMBER: P3SQAS20R709030D010 E3SQCLDWW1MMS

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)