

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: P1310522

Luminaire Tested: P3SQAS20R209040D010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310522
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R209040D010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

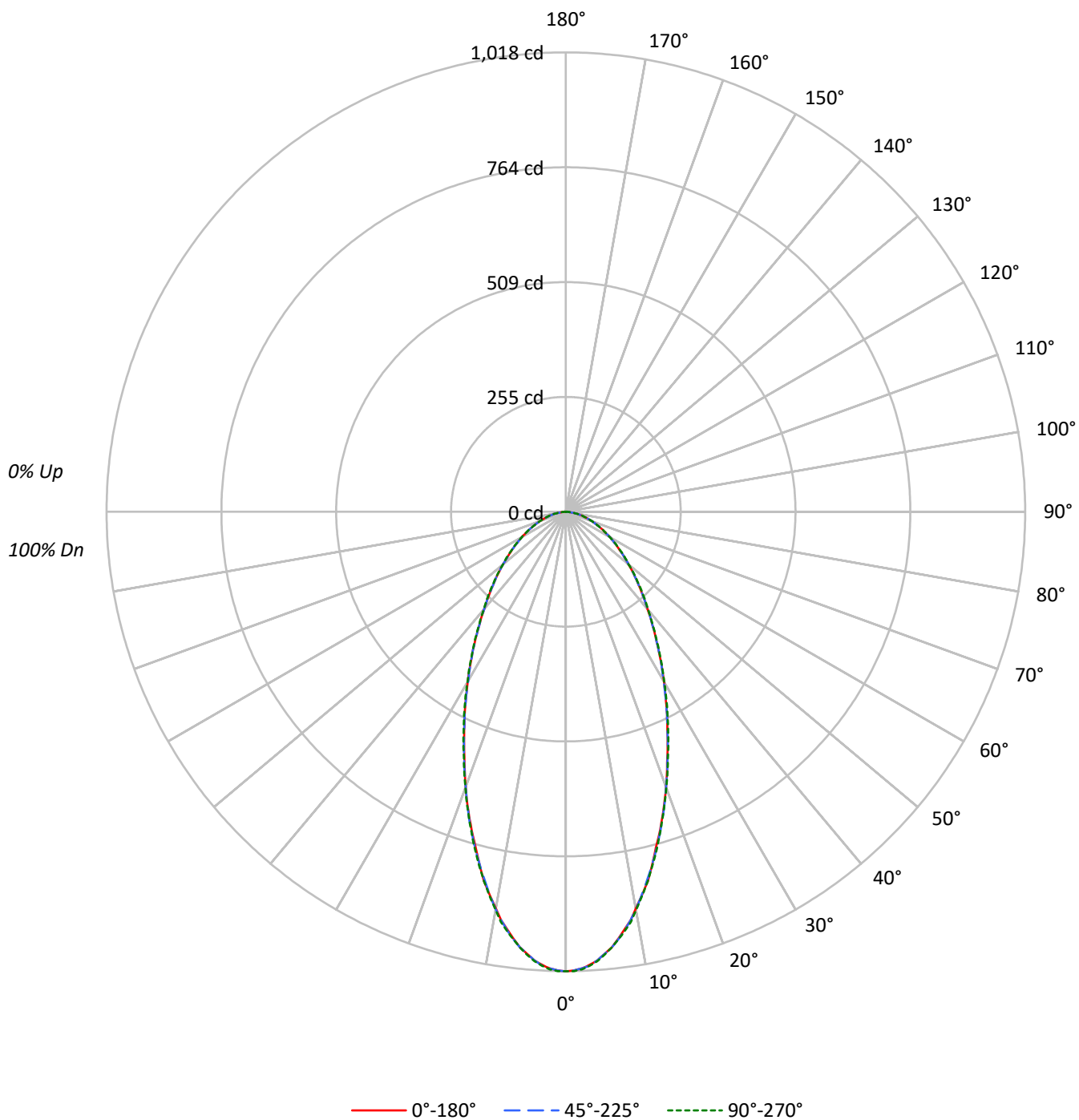
Lumens per Lamp: N/A
Luminaire Lumens: 1218.0 lumens
Efficiency: N/A
Efficacy: 42.3 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1310522

CATALOG NUMBER: P3SQAS20R209040D010 E3SQPHLD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1310522

CATALOG NUMBER: P3SQAS20R209040D010 E3SQPHLD1MW

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	107	104	100	108	105	102	99	101	98	96		97	95	93		93
2	103	96	91	86	100	94	89	85	91	87	83		88	84	81		85
3	96	87	80	75	93	85	79	74	82	77	73		80	75	72		77
4	89	79	71	66	87	78	71	65	75	69	65		73	68	64		71
5	83	72	64	59	81	71	64	58	69	63	58		67	62	57		65
6	78	66	59	53	76	65	58	53	64	57	52		62	56	52		61
7	73	61	54	48	71	60	53	48	59	53	48		58	52	48		56
8	69	57	49	44	67	56	49	44	55	49	44		54	48	44		53
9	65	53	46	41	63	52	46	41	51	45	41		50	45	40		49
10	61	50	43	38	60	49	42	38	48	42	38		47	42	38		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	175374	175374	175374
5°	170080	170080	170391
10°	156132	156465	156779
15°	137468	138110	138448
20°	118982	118982	119312
25°	101246	101246	101930
30°	86427	86069	86785
35°	73796	73796	74174
40°	63377	63377	63782
45°	55361	55361	55800
50°	48710	48710	48710
55°	43148	43148	43688
60°	38819	38819	38819
65°	34842	34842	34842
70°	31119	31119	31119
75°	27814	26617	27814
80°	23406	23406	23406
85°	14425	14425	17982

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 55800 cd/sqm

TEST NUMBER: P1310522

CATALOG NUMBER: P3SQAS20R209040D010 E3SQPHLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.1	7.5
10°-20°	215.6	17.7
20°-30°	245.5	20.2
30°-40°	220.5	18.1
40°-50°	176.6	14.5
50°-60°	129.8	10.7
60°-70°	84.8	7.0
70°-80°	44.0	3.6
80°-90°	10.2	0.8
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°	552.2	45.3
0°-40°	772.6	63.4
0°-60°	1079.0	88.6
0°-90°	1218.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1218.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1018	1018	1018	1018	1018	
5°	984	984	984	984	986	91
15°	771	771	775	775	776	215
25°	533	533	533	535	536	245
35°	351	351	351	351	353	220
45°	227	227	227	227	229	176
55°	144	144	144	144	146	130
65°	86	84	86	86	86	85
75°	42	40	40	42	42	44
85°	7	7	7	9	9	10
90°	0	0	0	0	0	

TEST NUMBER: P1310522

CATALOG NUMBER: P3SQAS20R209040D010 E3SQPHLD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1018.3	1018.3	1018.3	1018.3	1018.3
1°	1016.5	1014.7	1016.5	1016.5	1018.3
2°	1012.8	1012.8	1012.8	1011.0	1014.7
3°	1005.6	1005.6	1007.4	1005.6	1007.4
4°	996.5	996.5	996.5	994.7	998.3
5°	983.8	983.8	983.8	983.8	985.6
6°	971.0	969.2	971.0	969.2	971.0
7°	952.8	952.8	954.7	952.8	954.7
8°	934.7	932.8	936.5	934.7	938.3
9°	916.5	914.7	916.5	914.7	920.1
10°	892.8	894.7	894.7	894.7	896.5
12.5°	838.3	834.6	834.6	834.6	838.3
15°	771.0	771.0	774.6	774.6	776.5
17.5°	711.0	709.2	712.8	712.8	712.8
20°	649.2	647.4	649.2	649.2	651.0
22.5°	587.3	589.2	589.2	589.2	591.0
25°	532.8	532.8	532.8	534.6	536.4
27.5°	481.9	480.1	481.9	483.7	485.5
30°	434.6	432.8	432.8	434.6	436.4
32.5°	391.0	389.1	391.0	391.0	392.8
35°	351.0	351.0	351.0	351.0	352.8
37.5°	314.6	314.6	314.6	316.4	316.4
40°	281.9	281.9	281.9	283.7	283.7
42.5°	252.8	252.8	252.8	254.6	256.4
45°	227.3	227.3	227.3	227.3	229.1
47.5°	203.7	203.7	203.7	205.5	205.5
50°	181.8	180.0	181.8	183.7	181.8
52.5°	161.8	161.8	161.8	161.8	163.7
55°	143.7	143.7	143.7	143.7	145.5
57.5°	127.3	127.3	127.3	129.1	129.1
60°	112.7	112.7	112.7	112.7	112.7
62.5°	98.2	98.2	98.2	98.2	98.2
65°	85.5	83.6	85.5	85.5	85.5
67.5°	72.7	72.7	72.7	72.7	72.7
70°	61.8	61.8	61.8	61.8	61.8
72.5°	50.9	50.9	50.9	50.9	50.9
75°	41.8	40.0	40.0	41.8	41.8
77.5°	32.7	30.9	32.7	32.7	32.7
80°	23.6	23.6	23.6	23.6	23.6
82.5°	14.5	14.5	14.5	16.4	16.4
85°	7.3	7.3	7.3	9.1	9.1
87.5°	1.8	1.8	1.8	3.6	3.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)