

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: P1311599

Luminaire Tested: P3SQAS20R209050D010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311599
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: P3SQAS20R209050D010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 5000K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

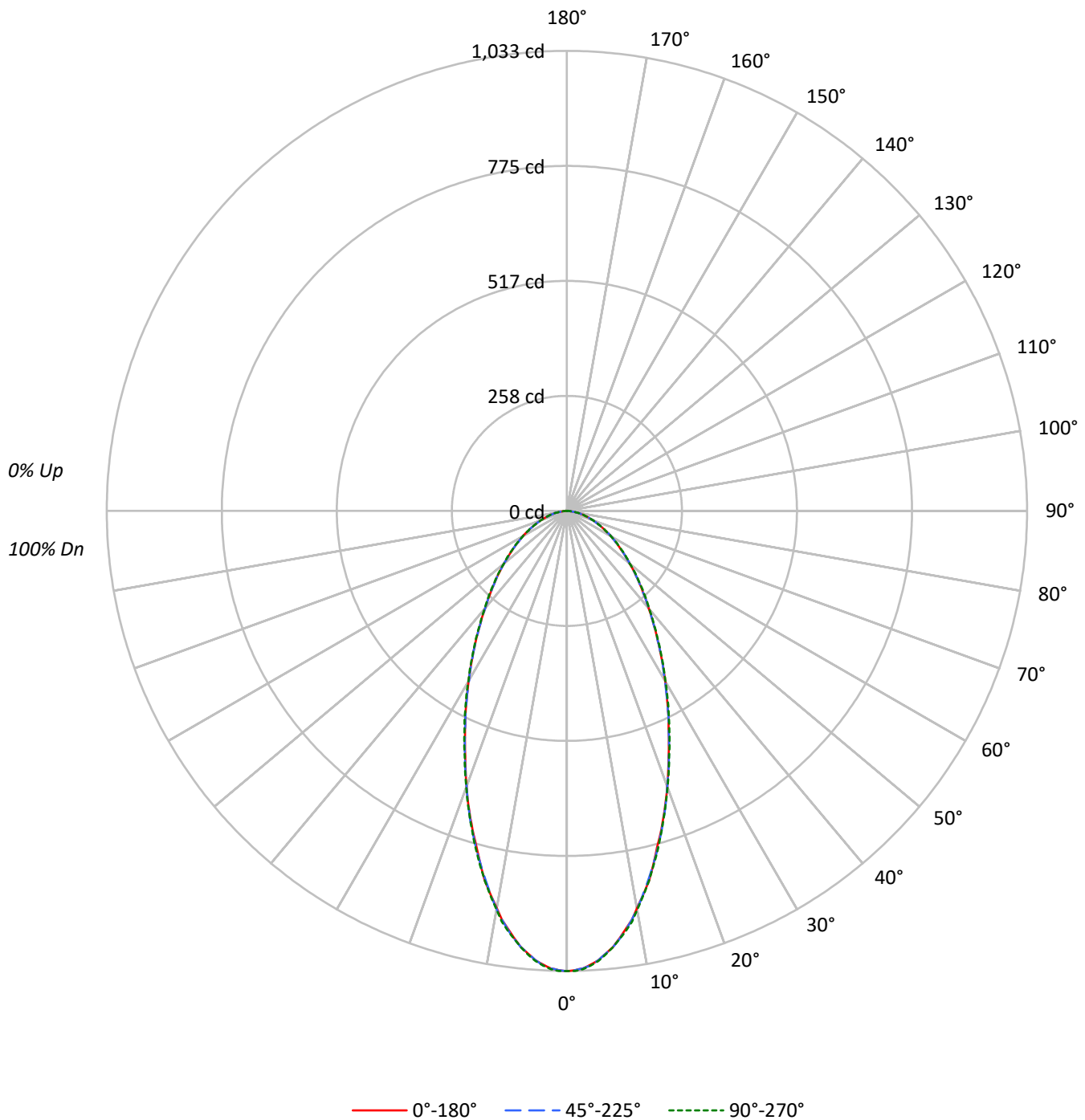
Lumens per Lamp: N/A
Luminaire Lumens: 1236.0 lumens
Efficiency: N/A
Efficacy: 42.9 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1311599

CATALOG NUMBER: P3SQAS20R209050D010 E3SQPHLD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1311599

CATALOG NUMBER: P3SQAS20R209050D010 E3SQPHLD1MW

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	111	107	104	100	108	105	102	99	101	98	96		97	95	93		93	92	90	88
2	103	96	91	86	100	94	89	85	91	87	83		88	84	81		85	82	79	77
3	96	87	80	75	93	85	79	74	82	77	73		80	75	72		77	74	70	68
4	89	79	71	66	87	78	71	65	75	69	65		73	68	64		71	67	63	61
5	83	72	64	59	81	71	64	58	69	63	58		67	62	57		65	61	57	55
6	78	66	59	53	76	65	58	53	64	57	52		62	56	52		61	56	52	50
7	73	61	54	48	71	60	53	48	59	53	48		58	52	48		56	51	47	46
8	69	57	49	44	67	56	49	44	55	49	44		54	48	44		53	47	43	42
9	65	53	46	41	63	52	46	41	51	45	41		50	45	40		49	44	40	39
10	61	50	43	38	60	49	42	38	48	42	38		47	42	38		46	41	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	177975	177975	177975
5°	172587	172587	172898
10°	158441	158773	159088
15°	139500	140160	140481
20°	120742	120742	121072
25°	102747	102747	103451
30°	87700	87342	88078
35°	74868	74868	75268
40°	64299	64299	64726
45°	56189	56189	56628
50°	49433	49433	49433
55°	43778	43778	44319
60°	39405	39405	39405
65°	35331	35331	35331
70°	31572	31572	31572
75°	28214	27016	28214
80°	23803	23803	23803
85°	14623	14623	18180

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 56628 cd/sqm

TEST NUMBER: P1311599

CATALOG NUMBER: P3SQAS20R209050D010 E3SQPHLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.4	7.5
10°-20°	218.8	17.7
20°-30°	249.1	20.2
30°-40°	223.7	18.1
40°-50°	179.2	14.5
50°-60°	131.7	10.7
60°-70°	86.1	7.0
70°-80°	44.6	3.6
80°-90°	10.3	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°	560.3	45.3
0°-40°	784.0	63.4
0°-60°	1094.9	88.6
0°-90°	1236.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1236.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1033	1033	1033	1033	1033	
5°	998	998	998	998	1000	92
15°	782	782	786	786	788	219
25°	541	541	541	542	544	249
35°	356	356	356	356	358	224
45°	231	231	231	231	232	179
55°	146	146	146	146	148	131
65°	87	85	87	87	87	86
75°	42	41	41	42	42	45
85°	7	7	7	9	9	10
90°	0	0	0	0	0	

TEST NUMBER: P1311599

CATALOG NUMBER: P3SQAS20R209050D010 E3SQPHLD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1033.4	1033.4	1033.4	1033.4	1033.4
1°	1031.5	1029.7	1031.5	1031.5	1033.4
2°	1027.8	1027.8	1027.8	1026.0	1029.7
3°	1020.4	1020.4	1022.3	1020.4	1022.3
4°	1011.2	1011.2	1011.2	1009.4	1013.1
5°	998.3	998.3	998.3	998.3	1000.1
6°	985.4	983.5	985.4	983.5	985.4
7°	966.9	966.9	968.8	966.9	968.8
8°	948.5	946.6	950.3	948.5	952.2
9°	930.0	928.2	930.0	928.2	933.7
10°	906.0	907.9	907.9	907.9	909.7
12.5°	850.7	847.0	847.0	847.0	850.7
15°	782.4	782.4	786.1	786.1	787.9
17.5°	721.5	719.7	723.3	723.3	723.3
20°	658.8	656.9	658.8	658.8	660.6
22.5°	596.0	597.9	597.9	597.9	599.7
25°	540.7	540.7	540.7	542.5	544.4
27.5°	489.0	487.2	489.0	490.8	492.7
30°	441.0	439.2	439.2	441.0	442.9
32.5°	396.7	394.9	396.7	396.7	398.6
35°	356.1	356.1	356.1	356.1	358.0
37.5°	319.2	319.2	319.2	321.1	321.1
40°	286.0	286.0	286.0	287.9	287.9
42.5°	256.5	256.5	256.5	258.3	260.2
45°	230.7	230.7	230.7	230.7	232.5
47.5°	206.7	206.7	206.7	208.5	208.5
50°	184.5	182.7	184.5	186.4	184.5
52.5°	164.2	164.2	164.2	164.2	166.1
55°	145.8	145.8	145.8	145.8	147.6
57.5°	129.2	129.2	129.2	131.0	131.0
60°	114.4	114.4	114.4	114.4	114.4
62.5°	99.6	99.6	99.6	99.6	99.6
65°	86.7	84.9	86.7	86.7	86.7
67.5°	73.8	73.8	73.8	73.8	73.8
70°	62.7	62.7	62.7	62.7	62.7
72.5°	51.7	51.7	51.7	51.7	51.7
75°	42.4	40.6	40.6	42.4	42.4
77.5°	33.2	31.4	33.2	33.2	33.2
80°	24.0	24.0	24.0	24.0	24.0
82.5°	14.8	14.8	14.8	16.6	16.6
85°	7.4	7.4	7.4	9.2	9.2
87.5°	1.8	1.8	1.8	3.7	3.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)