

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: P1315650

Luminaire Tested: P3SQAS20R259740D010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315650
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R259740D010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 97CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

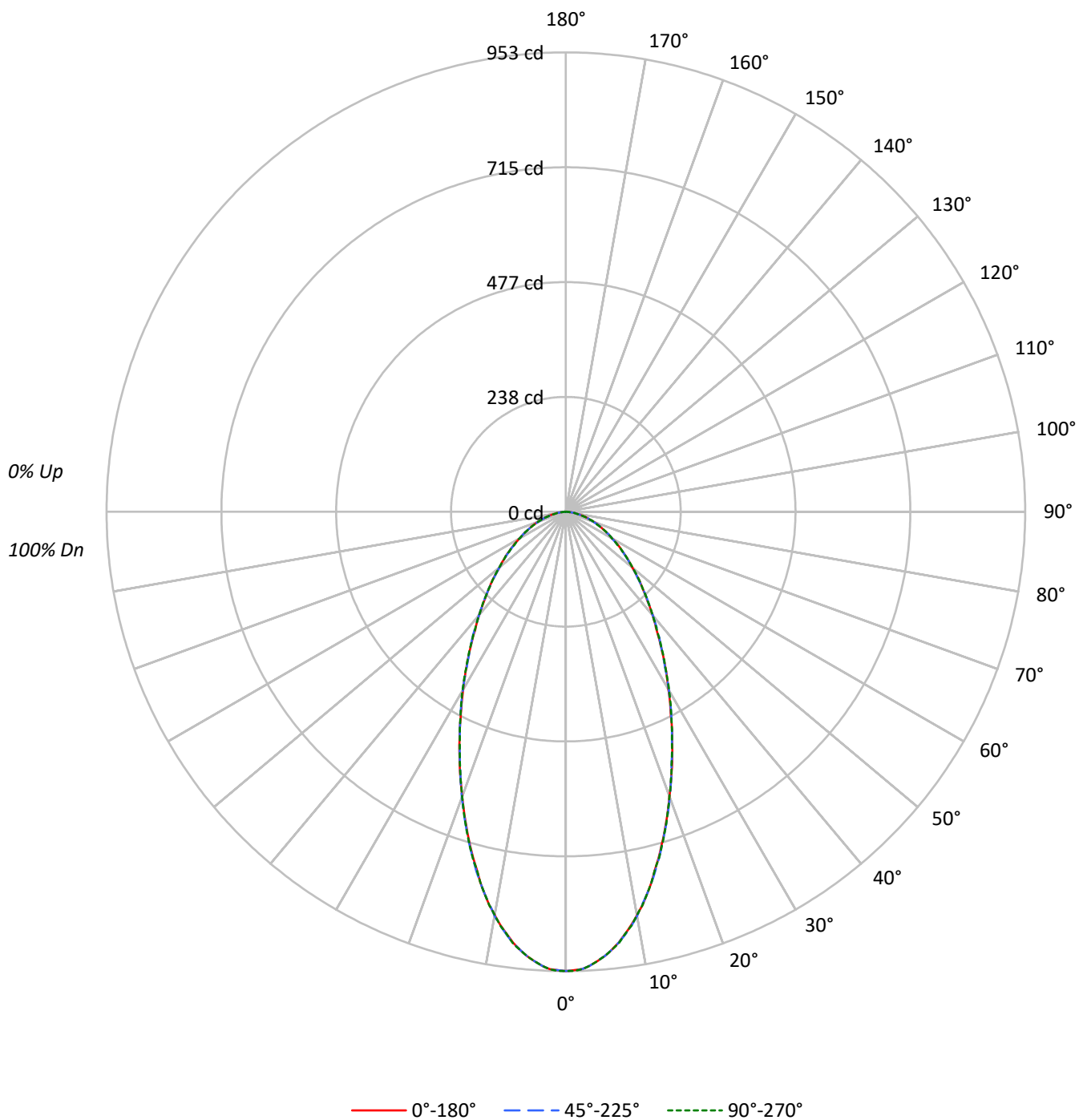
Lumens per Lamp: N/A
Luminaire Lumens: 1193.0 lumens
Efficiency: N/A
Efficacy: 41.4 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1315650

CATALOG NUMBER: P3SQAS20R259740D010 E3SQPHLD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1315650

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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	90	86	100	94	89	85	91	86	83		88	84	81		85
3	95	87	80	74	93	85	79	74	82	77	72		80	75	71		77
4	89	79	71	65	87	77	70	65	75	69	64		73	68	63		71
5	83	72	64	58	81	71	64	58	69	62	58		67	61	57		65
6	77	66	58	53	76	65	58	52	63	57	52		62	56	52		60
7	73	61	53	48	71	60	53	48	59	52	47		57	51	47		56
8	68	56	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	42	37		47	41	37		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	164111	164111	164111
5°	159932	159932	159932
10°	148595	148892	148595
15°	132529	132832	132832
20°	115225	115537	115225
25°	99251	98947	98947
30°	84657	84975	85313
35°	72640	72640	72976
40°	62950	62950	62950
45°	55020	55020	55020
50°	48254	48254	48683
55°	43268	43268	43268
60°	38337	38337	38337
65°	34679	34679	34679
70°	31321	30515	31321
75°	28347	27216	27216
80°	22712	22712	22712
85°	16203	16203	16203

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 55020 cd/sqm

TEST NUMBER: P1315650

CATALOG NUMBER: P3SQAS20R259740D010 E3SQPHLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.0	7.2
10°-20°	207.4	17.4
20°-30°	239.7	20.1
30°-40°	217.3	18.2
40°-50°	175.1	14.7
50°-60°	129.0	10.8
60°-70°	84.8	7.1
70°-80°	43.8	3.7
80°-90°	9.9	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°	533.0	44.7
0°-40°	750.3	62.9
0°-60°	1054.4	88.4
0°-90°	1193.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1193.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	953	953	953	953	953	
5°	925	928	925	925	925	86
15°	743	745	745	743	745	207
25°	522	521	521	522	521	240
35°	346	346	346	346	347	217
45°	226	226	226	226	226	175
55°	144	144	144	142	144	129
65°	85	85	85	85	85	85
75°	43	41	41	41	41	44
85°	8	8	8	8	8	10
90°	0	0	0	0	0	

TEST NUMBER: P1315650

CATALOG NUMBER: P3SQAS20R259740D010 E3SQPHLD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	952.9	952.9	952.9	952.9	952.9
1°	951.3	954.5	951.3	951.3	952.9
2°	949.6	951.3	949.6	949.6	949.6
3°	943.1	946.3	943.1	943.1	943.1
4°	934.9	938.2	934.9	934.9	934.9
5°	925.1	928.3	925.1	925.1	925.1
6°	913.6	915.2	913.6	913.6	913.6
7°	900.5	902.1	900.5	900.5	902.1
8°	884.1	885.8	885.8	884.1	884.1
9°	867.8	869.4	869.4	867.8	869.4
10°	849.7	851.4	851.4	849.7	849.7
11°	831.7	833.4	830.1	830.1	831.7
12°	810.5	812.1	810.5	810.5	810.5
13°	789.2	789.2	789.2	789.2	789.2
14°	764.6	767.9	767.9	766.2	764.6
15°	743.3	745.0	745.0	743.3	745.0
17.5°	686.0	689.3	687.7	687.7	687.7
20°	628.7	630.4	630.4	628.7	628.7
22.5°	574.7	573.0	573.0	573.0	573.0
25°	522.3	520.7	520.7	522.3	520.7
27.5°	471.5	473.2	473.2	471.5	473.2
30°	425.7	425.7	427.3	425.7	429.0
32.5°	384.8	384.8	383.1	384.8	384.8
35°	345.5	345.5	345.5	345.5	347.1
37.5°	309.4	311.1	312.7	312.7	311.1
40°	280.0	280.0	280.0	280.0	280.0
42.5°	250.5	250.5	252.1	252.1	252.1
45°	225.9	225.9	225.9	225.9	225.9
47.5°	203.0	203.0	201.4	201.4	203.0
50°	180.1	181.7	180.1	180.1	181.7
52.5°	162.1	160.5	160.5	162.1	162.1
55°	144.1	144.1	144.1	142.4	144.1
57.5°	127.7	127.7	126.1	126.1	126.1
60°	111.3	111.3	111.3	111.3	111.3
62.5°	98.2	98.2	98.2	98.2	98.2
65°	85.1	85.1	85.1	85.1	85.1
67.5°	73.7	73.7	73.7	73.7	72.0
70°	62.2	62.2	60.6	60.6	62.2
72.5°	50.8	50.8	50.8	50.8	50.8
75°	42.6	40.9	40.9	40.9	40.9
77.5°	32.7	32.7	31.1	32.7	31.1
80°	22.9	22.9	22.9	22.9	22.9
82.5°	16.4	14.7	14.7	14.7	14.7
85°	8.2	8.2	8.2	8.2	8.2
87.5°	1.6	1.6	1.6	1.6	3.3



TEST NUMBER: P1315650

CATALOG NUMBER: P3SQAS20R259740D010 E3SQPHLD1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)