

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: P1311650

Luminaire Tested: P3SQAS20R359050D010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311650
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R359050D010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

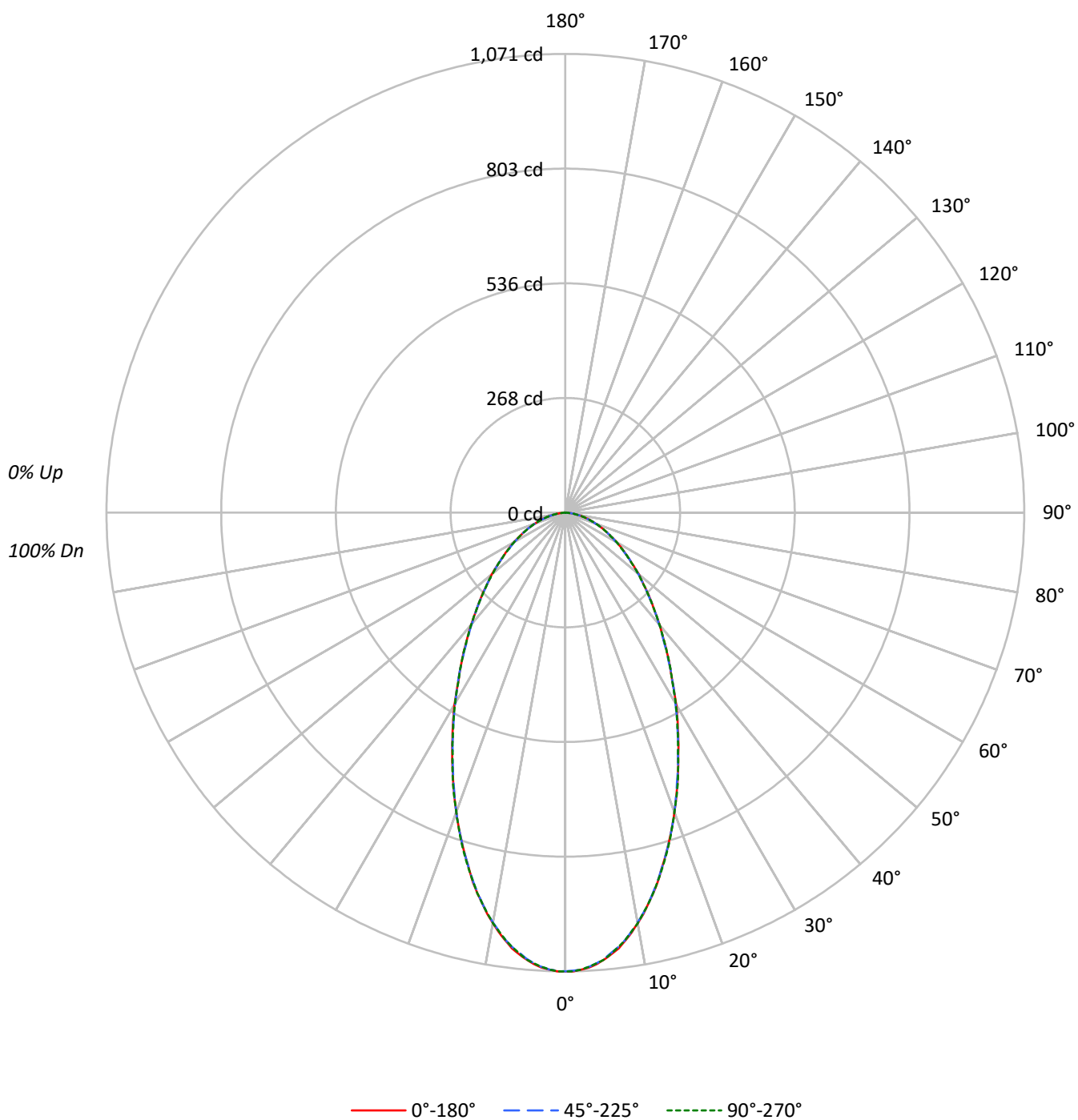
Lumens per Lamp: N/A
Luminaire Lumens: 1431.0 lumens
Efficiency: N/A
Efficacy: 49.7 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1311650

CATALOG NUMBER: P3SQAS20R359050D010 E3SQPHLD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1311650

CATALOG NUMBER: P3SQAS20R359050D010 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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	90	90	88
2	103	96	90	85	100	94	89	84	90	86	82	87	84	81	84	81	79	79	79	77
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	70	70	68
4	88	78	71	65	86	77	70	65	75	68	64	72	67	63	70	66	62	62	62	60
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	56	56	54
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	51	51	49
7	72	60	53	47	71	60	52	47	58	52	47	57	51	46	55	50	46	46	46	44
8	68	56	48	43	66	55	48	43	54	47	43	53	47	43	52	46	42	42	42	41
9	64	52	45	40	63	51	44	40	50	44	39	49	44	39	48	43	39	39	39	38
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	36	36	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	184485	184485	184485
5°	181023	180712	181023
10°	170210	169878	170210
15°	154103	154103	154442
20°	136412	136412	136412
25°	118615	118273	118273
30°	102833	102098	102475
35°	88534	88135	88534
40°	76821	76394	76821
45°	67466	67028	67028
50°	59883	59373	59373
55°	52666	52666	52666
60°	47706	47086	47706
65°	42911	42911	42911
70°	38118	38118	38118
75°	34402	33204	34402
80°	29258	29258	29258
85°	18180	18180	18180

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 67466 cd/sqm

TEST NUMBER: P1311650

CATALOG NUMBER: P3SQAS20R359050D010 E3SQPHLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.4	6.8
10°-20°	241.1	16.8
20°-30°	286.5	20.0
30°-40°	263.3	18.4
40°-50°	213.8	14.9
50°-60°	158.1	11.1
60°-70°	104.5	7.3
70°-80°	54.2	3.8
80°-90°	12.2	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°	625.0	43.7
0°-40°	888.3	62.1
0°-60°	1260.2	88.1
0°-90°	1431.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1431.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1071	1071	1071	1071	1071	
5°	1047	1045	1045	1045	1047	98
15°	864	864	864	864	866	241
25°	624	622	622	624	622	287
35°	421	419	419	421	421	264
45°	277	275	275	275	275	214
55°	175	175	175	175	175	159
65°	105	105	105	105	105	105
75°	52	52	50	52	52	55
85°	9	9	9	9	9	12
90°	0	0	0	0	0	

TEST NUMBER: P1311650

CATALOG NUMBER: P3SQAS20R359050D010 E3SQPHLD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1071.2	1071.2	1071.2	1071.2	1071.2
1°	1071.2	1069.3	1069.3	1069.3	1071.2
2°	1067.5	1067.5	1067.5	1067.5	1067.5
3°	1063.8	1061.9	1061.9	1061.9	1061.9
4°	1056.4	1054.5	1054.5	1054.5	1054.5
5°	1047.1	1045.3	1045.3	1045.3	1047.1
6°	1036.1	1034.2	1032.4	1032.4	1034.2
7°	1025.0	1021.3	1021.3	1021.3	1021.3
8°	1008.4	1006.5	1006.5	1006.5	1006.5
9°	991.7	988.1	989.9	989.9	989.9
10°	973.3	971.4	971.4	971.4	973.3
11°	954.8	953.0	953.0	951.1	953.0
12°	932.6	932.6	932.6	932.6	932.6
13°	912.3	910.5	910.5	910.5	912.3
14°	890.2	888.3	888.3	888.3	888.3
15°	864.3	864.3	864.3	864.3	866.2
17.5°	805.2	803.4	805.2	805.2	807.1
20°	744.3	742.4	744.3	744.3	744.3
22.5°	683.3	683.3	681.5	683.3	685.2
25°	624.2	622.4	622.4	624.2	622.4
27.5°	568.8	567.0	567.0	567.0	567.0
30°	517.1	513.4	513.4	515.3	515.3
32.5°	463.6	463.6	465.4	463.6	463.6
35°	421.1	419.2	419.2	421.1	421.1
37.5°	378.6	376.8	376.8	378.6	378.6
40°	341.7	341.7	339.8	341.7	341.7
42.5°	306.6	306.6	306.6	306.6	306.6
45°	277.0	275.2	275.2	275.2	275.2
47.5°	247.5	247.5	247.5	245.6	247.5
50°	223.5	221.6	221.6	221.6	221.6
52.5°	197.6	197.6	197.6	197.6	197.6
55°	175.4	175.4	175.4	175.4	175.4
57.5°	157.0	155.1	155.1	155.1	155.1
60°	138.5	138.5	136.7	138.5	138.5
62.5°	120.0	120.0	120.0	120.0	120.0
65°	105.3	105.3	105.3	105.3	105.3
67.5°	90.5	90.5	90.5	90.5	90.5
70°	75.7	75.7	75.7	75.7	75.7
72.5°	64.6	62.8	62.8	62.8	62.8
75°	51.7	51.7	49.9	51.7	51.7
77.5°	38.8	38.8	38.8	38.8	38.8
80°	29.5	29.5	29.5	27.7	29.5
82.5°	18.5	18.5	18.5	18.5	18.5
85°	9.2	9.2	9.2	9.2	9.2
87.5°	1.8	1.8	1.8	3.7	3.7



TEST NUMBER: P1311650

CATALOG NUMBER: P3SQAS20R359050D010 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)