

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: P1317402

Luminaire Tested: P3SQAS20R259830D010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317402
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: P3SQAS20R259830D010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

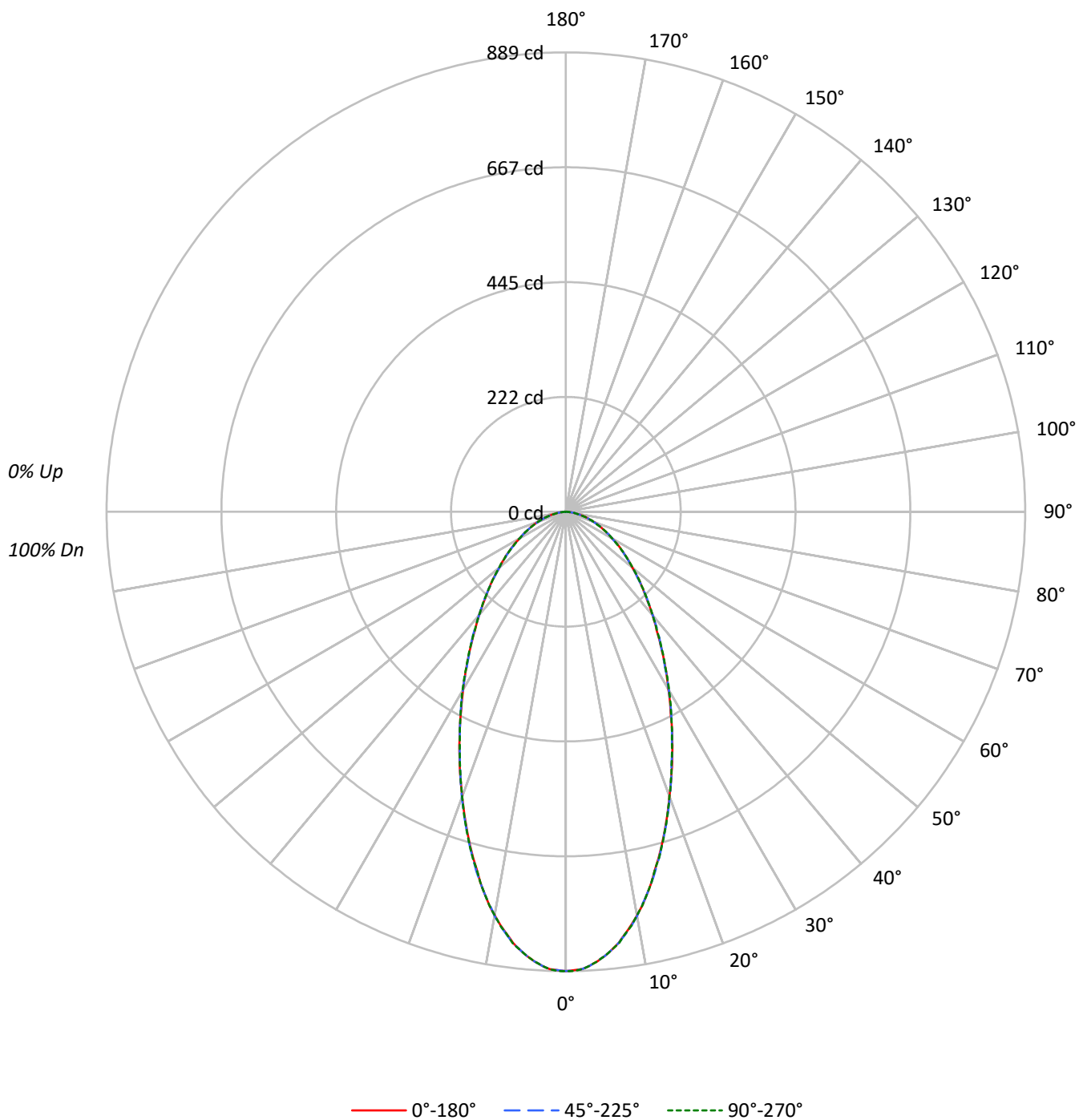
Lumens per Lamp: N/A
Luminaire Lumens: 1112.9 lumens
Efficiency: N/A
Efficacy: 40.6 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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

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Luminous Intensity Polar Plot



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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°	153106	153106	153106
5°	149196	149196	149196
10°	138644	138907	138644
15°	123650	123917	123917
20°	107509	107784	107509
25°	92600	92296	92296
30°	78970	79288	79586
35°	67762	67762	68077
40°	58723	58723	58723
45°	51342	51342	51342
50°	45012	45012	45441
55°	40355	40355	40355
60°	35788	35788	35788
65°	32357	32357	32357
70°	29206	28450	29206
75°	26417	25419	25419
80°	21224	21224	21224
85°	15018	15018	15018

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 51342 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.2	7.2
10°-20°	193.5	17.4
20°-30°	223.6	20.1
30°-40°	202.7	18.2
40°-50°	163.4	14.7
50°-60°	120.3	10.8
60°-70°	79.1	7.1
70°-80°	40.9	3.7
80°-90°	9.2	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°	497.3	44.7
0°-40°	700.0	62.9
0°-60°	983.7	88.4
0°-90°	1112.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1112.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	889	889	889	889	889	
5°	863	866	863	863	863	80
15°	694	695	695	694	695	193
25°	487	486	486	487	486	224
35°	322	322	322	322	324	202
45°	211	211	211	211	211	163
55°	134	134	134	133	134	121
65°	79	79	79	79	79	79
75°	40	38	38	38	38	41
85°	8	8	8	8	8	10
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	889.0	889.0	889.0	889.0	889.0
1°	887.5	890.5	887.5	887.5	889.0
2°	885.9	887.5	885.9	885.9	885.9
3°	879.8	882.9	879.8	879.8	879.8
4°	872.2	875.2	872.2	872.2	872.2
5°	863.0	866.1	863.0	863.0	863.0
6°	852.3	853.9	852.3	852.3	852.3
7°	840.1	841.6	840.1	840.1	841.6
8°	824.8	826.4	824.8	824.8	824.8
9°	809.6	811.1	811.1	809.6	811.1
10°	792.8	794.3	794.3	792.8	792.8
11°	776.0	777.5	774.4	774.4	776.0
12°	756.1	757.6	756.1	756.1	756.1
13°	736.2	736.2	736.2	736.2	736.2
14°	713.3	716.4	716.4	714.9	713.3
15°	693.5	695.0	695.0	693.5	695.0
17.5°	640.0	643.1	641.5	641.5	641.5
20°	586.6	588.1	588.1	586.6	586.6
22.5°	536.1	534.6	534.6	534.6	534.6
25°	487.3	485.7	485.7	487.3	485.7
27.5°	439.9	441.4	441.4	439.9	441.4
30°	397.1	397.1	398.7	397.1	400.2
32.5°	359.0	359.0	357.4	359.0	359.0
35°	322.3	322.3	322.3	322.3	323.8
37.5°	288.7	290.2	291.7	291.7	290.2
40°	261.2	261.2	261.2	261.2	261.2
42.5°	233.7	233.7	235.2	235.2	235.2
45°	210.8	210.8	210.8	210.8	210.8
47.5°	189.4	189.4	187.9	187.9	189.4
50°	168.0	169.6	168.0	168.0	169.6
52.5°	151.2	149.7	149.7	151.2	151.2
55°	134.4	134.4	134.4	132.9	134.4
57.5°	119.1	119.1	117.6	117.6	117.6
60°	103.9	103.9	103.9	103.9	103.9
62.5°	91.6	91.6	91.6	91.6	91.6
65°	79.4	79.4	79.4	79.4	79.4
67.5°	68.7	68.7	68.7	68.7	67.2
70°	58.0	58.0	56.5	56.5	58.0
72.5°	47.4	47.4	47.4	47.4	47.4
75°	39.7	38.2	38.2	38.2	38.2
77.5°	30.5	30.5	29.0	30.5	29.0
80°	21.4	21.4	21.4	21.4	21.4
82.5°	15.3	13.7	13.7	13.7	13.7
85°	7.6	7.6	7.6	7.6	7.6
87.5°	1.5	1.5	1.5	1.5	3.1



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)