

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: P1318312

Luminaire Tested: P3SQAS20R359835D010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318312
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: P3SQAS20R359835D010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 98CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

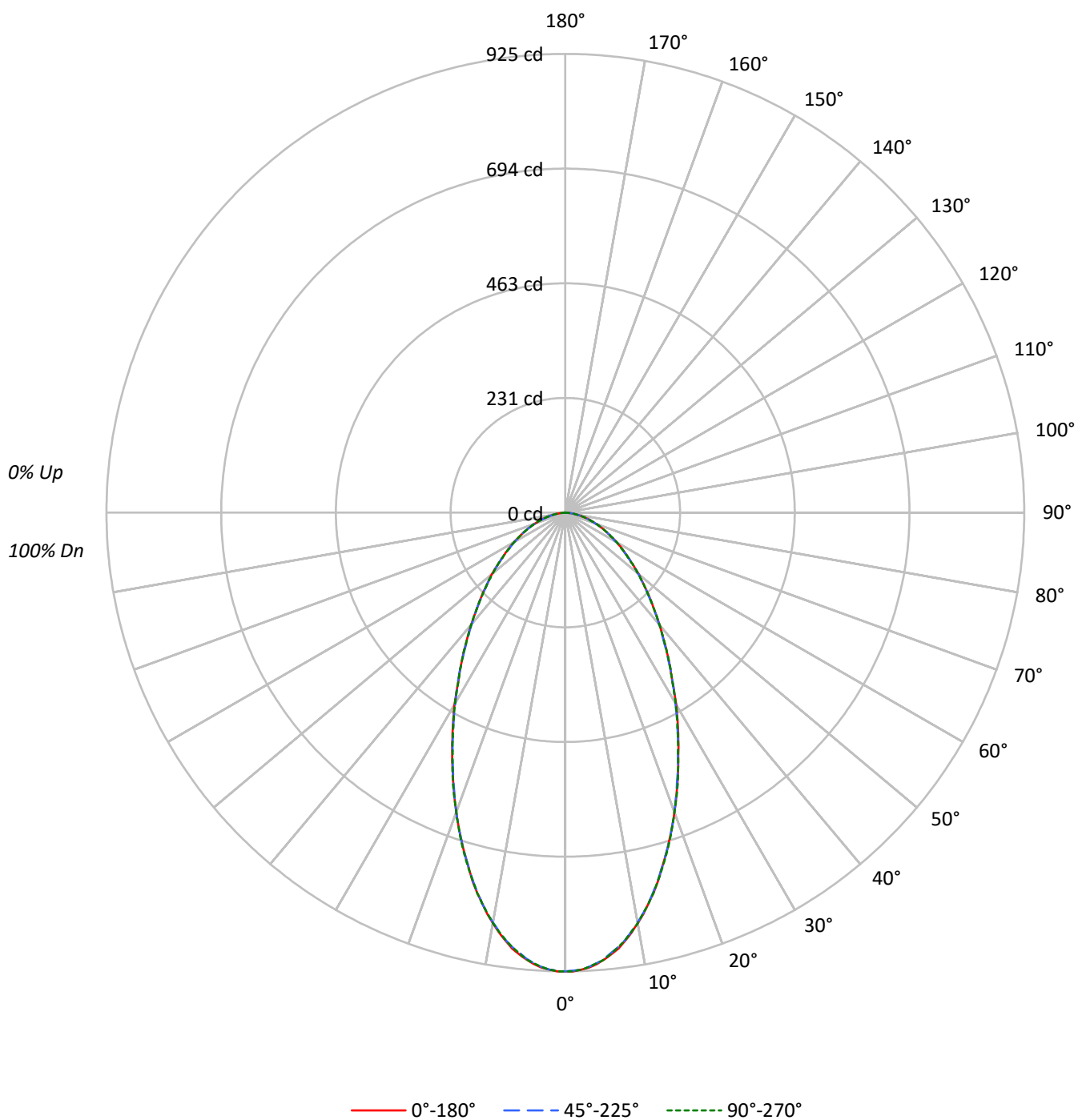
Lumens per Lamp: N/A
Luminaire Lumens: 1236.0 lumens
Efficiency: N/A
Efficacy: 45.1 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	159340	159340	159340
5°	156370	156094	156370
10°	147004	146741	147004
15°	133099	133099	133385
20°	117809	117809	117809
25°	102462	102158	102158
30°	88813	88197	88495
35°	76466	76130	76466
40°	66345	65985	66345
45°	58284	57894	57894
50°	51711	51282	51282
55°	45490	45490	45490
60°	41196	40645	41196
65°	37043	37043	37043
70°	32932	32932	32932
75°	29744	28679	29744
80°	25291	25291	25291
85°	15808	15808	15808

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 58284 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.2	6.8
10°-20°	208.2	16.8
20°-30°	247.4	20.0
30°-40°	227.4	18.4
40°-50°	184.6	14.9
50°-60°	136.6	11.1
60°-70°	90.3	7.3
70°-80°	46.8	3.8
80°-90°	10.5	0.9
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°	539.8	43.7
0°-40°	767.2	62.1
0°-60°	1088.4	88.1
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°	925	925	925	925	925	
5°	904	903	903	903	904	84
15°	746	746	746	746	748	208
25°	539	538	538	539	538	248
35°	364	362	362	364	364	228
45°	239	238	238	238	238	185
55°	152	152	152	152	152	137
65°	91	91	91	91	91	90
75°	45	45	43	45	45	47
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°	925.2	925.2	925.2	925.2	925.2
1°	925.2	923.6	923.6	923.6	925.2
2°	922.0	922.0	922.0	922.0	922.0
3°	918.8	917.2	917.2	917.2	917.2
4°	912.4	910.8	910.8	910.8	910.8
5°	904.5	902.9	902.9	902.9	904.5
6°	894.9	893.3	891.7	891.7	893.3
7°	885.3	882.1	882.1	882.1	882.1
8°	871.0	869.4	869.4	869.4	869.4
9°	856.6	853.4	855.0	855.0	855.0
10°	840.6	839.1	839.1	839.1	840.6
11°	824.7	823.1	823.1	821.5	823.1
12°	805.6	805.6	805.6	805.6	805.6
13°	788.0	786.4	786.4	786.4	788.0
14°	768.9	767.3	767.3	767.3	767.3
15°	746.5	746.5	746.5	746.5	748.1
17.5°	695.5	693.9	695.5	695.5	697.1
20°	642.8	641.3	642.8	642.8	642.8
22.5°	590.2	590.2	588.6	590.2	591.8
25°	539.2	537.6	537.6	539.2	537.6
27.5°	491.3	489.7	489.7	489.7	489.7
30°	446.6	443.5	443.5	445.0	445.0
32.5°	400.4	400.4	402.0	400.4	400.4
35°	363.7	362.1	362.1	363.7	363.7
37.5°	327.0	325.4	325.4	327.0	327.0
40°	295.1	295.1	293.5	295.1	295.1
42.5°	264.8	264.8	264.8	264.8	264.8
45°	239.3	237.7	237.7	237.7	237.7
47.5°	213.8	213.8	213.8	212.2	213.8
50°	193.0	191.4	191.4	191.4	191.4
52.5°	170.7	170.7	170.7	170.7	170.7
55°	151.5	151.5	151.5	151.5	151.5
57.5°	135.6	134.0	134.0	134.0	134.0
60°	119.6	119.6	118.0	119.6	119.6
62.5°	103.7	103.7	103.7	103.7	103.7
65°	90.9	90.9	90.9	90.9	90.9
67.5°	78.2	78.2	78.2	78.2	78.2
70°	65.4	65.4	65.4	65.4	65.4
72.5°	55.8	54.2	54.2	54.2	54.2
75°	44.7	44.7	43.1	44.7	44.7
77.5°	33.5	33.5	33.5	33.5	33.5
80°	25.5	25.5	25.5	23.9	25.5
82.5°	16.0	16.0	16.0	16.0	16.0
85°	8.0	8.0	8.0	8.0	8.0
87.5°	1.6	1.6	1.6	3.2	3.2



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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)