

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: P1318115

Luminaire Tested: P3SQAS17R209835DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318115
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: P3SQAS17R209835DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 98CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

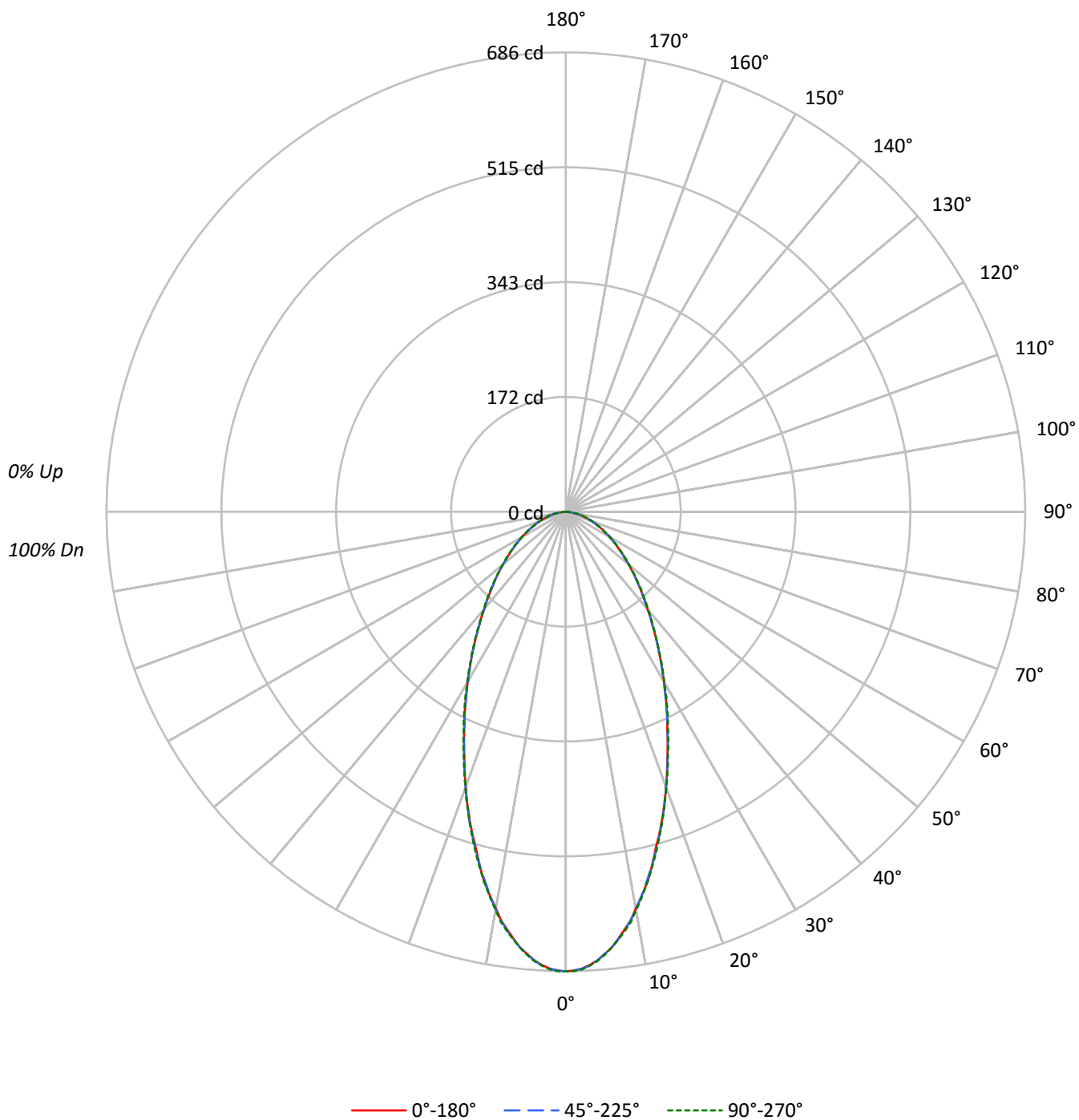
Lumens per Lamp: N/A
Luminaire Lumens: 821.0 lumens
Efficiency: N/A
Efficacy: 40.2 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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	91	86	100	94	89	85	91	87	83		88	84	81		85
3	96	87	80	75	93	85	79	74	82	77	73		80	75	72		77
4	89	79	71	66	87	78	71	65	75	69	65		73	68	64		71
5	83	72	64	59	81	71	64	58	69	63	58		67	62	57		65
6	78	66	59	53	76	65	58	53	64	57	52		62	56	52		61
7	73	61	54	48	71	60	53	48	59	53	48		58	52	48		56
8	69	57	49	44	67	56	49	44	55	49	44		54	48	44		53
9	65	53	46	41	63	52	46	41	51	45	41		50	45	40		49
10	61	50	43	38	60	49	42	38	48	42	38		47	42	38		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	118214	118214	118214
5°	114637	114637	114845
10°	105242	105452	105680
15°	92661	93089	93321
20°	80201	80201	80421
25°	68239	68239	68714
30°	58248	58009	58506
35°	49744	49744	49996
40°	42716	42716	42986
45°	37313	37313	37606
50°	32848	32848	32848
55°	29065	29065	29456
60°	26178	26178	26178
65°	23473	23473	23473
70°	20998	20998	20998
75°	18765	17966	18765
80°	15769	15769	15769
85°	9683	9683	12054

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 37606 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.4	7.5
10°-20°	145.3	17.7
20°-30°	165.5	20.2
30°-40°	148.6	18.1
40°-50°	119.1	14.5
50°-60°	87.5	10.7
60°-70°	57.2	7.0
70°-80°	29.6	3.6
80°-90°	6.9	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°	372.2	45.3
0°-40°	520.8	63.4
0°-60°	727.3	88.6
0°-90°	821.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	821.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	686	686	686	686	686	
5°	663	663	663	663	664	61
15°	520	520	522	522	523	145
25°	359	359	359	360	362	165
35°	237	237	237	237	238	148
45°	153	153	153	153	154	119
55°	97	97	97	97	98	87
65°	58	56	58	58	58	57
75°	28	27	27	28	28	30
85°	5	5	5	6	6	6
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	686.4	686.4	686.4	686.4	686.4
1°	685.2	683.9	685.2	685.2	686.4
2°	682.7	682.7	682.7	681.5	683.9
3°	677.8	677.8	679.0	677.8	679.0
4°	671.7	671.7	671.7	670.5	672.9
5°	663.1	663.1	663.1	663.1	664.3
6°	654.5	653.3	654.5	653.3	654.5
7°	642.3	642.3	643.5	642.3	643.5
8°	630.0	628.8	631.2	630.0	632.5
9°	617.8	616.5	617.8	616.5	620.2
10°	601.8	603.0	603.0	603.0	604.3
12.5°	565.0	562.6	562.6	562.6	565.0
15°	519.7	519.7	522.1	522.1	523.4
17.5°	479.3	478.0	480.5	480.5	480.5
20°	437.6	436.4	437.6	437.6	438.8
22.5°	395.9	397.1	397.1	397.1	398.4
25°	359.1	359.1	359.1	360.4	361.6
27.5°	324.8	323.6	324.8	326.0	327.3
30°	292.9	291.7	291.7	292.9	294.2
32.5°	263.5	262.3	263.5	263.5	264.8
35°	236.6	236.6	236.6	236.6	237.8
37.5°	212.0	212.0	212.0	213.3	213.3
40°	190.0	190.0	190.0	191.2	191.2
42.5°	170.4	170.4	170.4	171.6	172.8
45°	153.2	153.2	153.2	153.2	154.4
47.5°	137.3	137.3	137.3	138.5	138.5
50°	122.6	121.3	122.6	123.8	122.6
52.5°	109.1	109.1	109.1	109.1	110.3
55°	96.8	96.8	96.8	96.8	98.1
57.5°	85.8	85.8	85.8	87.0	87.0
60°	76.0	76.0	76.0	76.0	76.0
62.5°	66.2	66.2	66.2	66.2	66.2
65°	57.6	56.4	57.6	57.6	57.6
67.5°	49.0	49.0	49.0	49.0	49.0
70°	41.7	41.7	41.7	41.7	41.7
72.5°	34.3	34.3	34.3	34.3	34.3
75°	28.2	27.0	27.0	28.2	28.2
77.5°	22.1	20.8	22.1	22.1	22.1
80°	15.9	15.9	15.9	15.9	15.9
82.5°	9.8	9.8	9.8	11.0	11.0
85°	4.9	4.9	4.9	6.1	6.1
87.5°	1.2	1.2	1.2	2.5	2.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)