

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: P1314661

Luminaire Tested: P3SQAS20R209735D010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314661
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: P3SQAS20R209735D010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 97CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

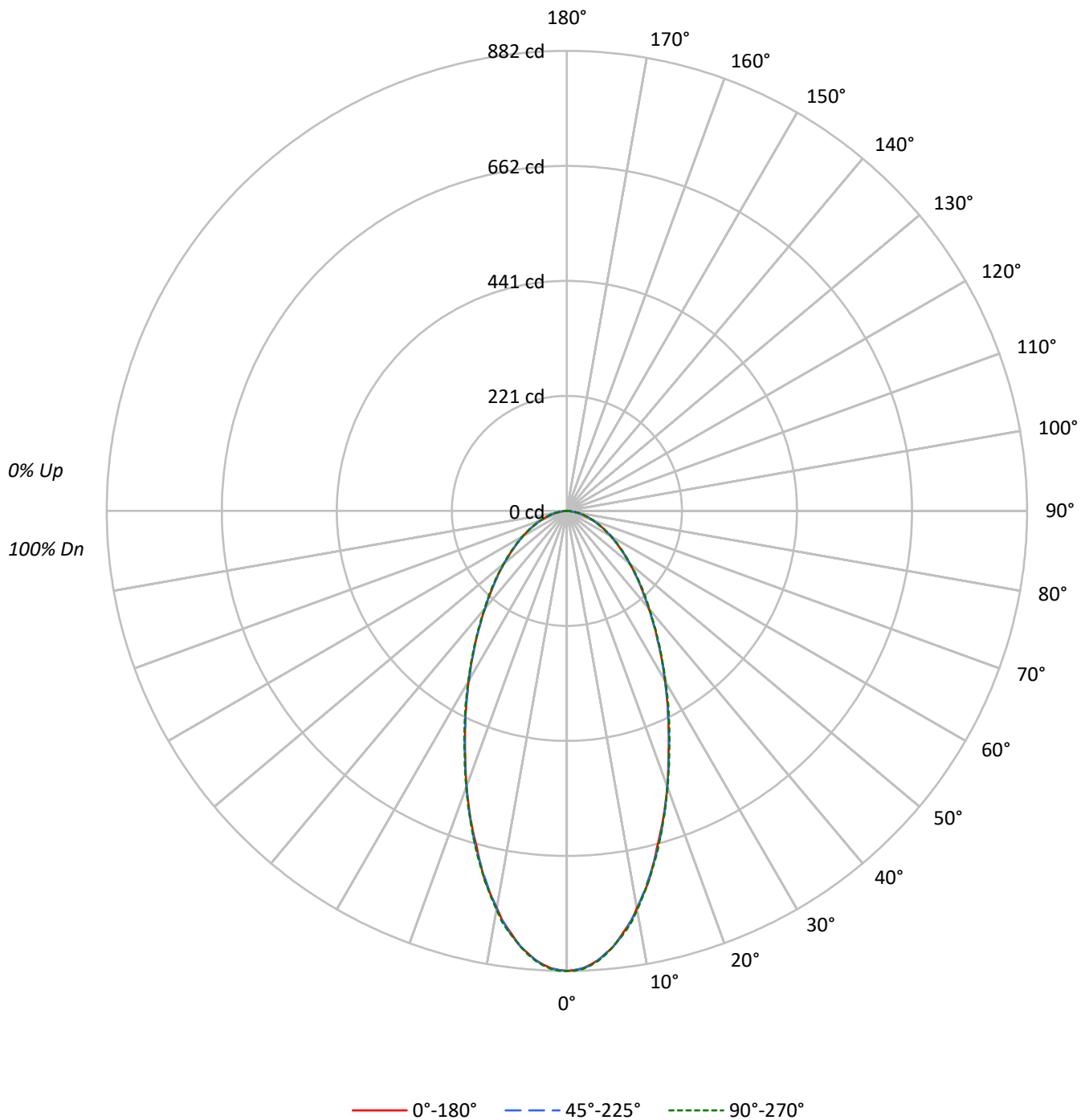
Lumens per Lamp: N/A
Luminaire Lumens: 1055.1 lumens
Efficiency: N/A
Efficacy: 36.6 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	111	107	104	100	108	105	102	99	101	98	96		97	95	93		93	92	90	88
2	103	96	91	86	100	94	89	85	91	87	83		88	84	81		85	82	79	77
3	96	87	80	75	93	85	79	74	82	77	73		80	75	72		77	74	70	68
4	89	79	71	66	87	78	71	65	75	69	65		73	68	64		71	67	63	61
5	83	72	64	59	81	71	64	58	69	63	58		67	62	57		65	61	57	55
6	78	66	59	53	76	65	58	53	64	57	52		62	56	52		61	56	52	50
7	73	61	54	48	71	60	53	48	59	53	48		58	52	48		56	51	47	45
8	69	57	49	44	67	56	49	44	55	49	44		54	48	44		53	47	43	42
9	65	53	46	41	63	52	45	41	51	45	41		50	45	40		49	44	40	39
10	61	50	43	38	60	49	42	38	48	42	38		47	42	38		46	41	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	151900	151900	151900
5°	147311	147311	147588
10°	135252	135514	135794
15°	119067	119638	119905
20°	103056	103056	103349
25°	87697	87697	88286
30°	74853	74555	75171
35°	63914	63914	64251
40°	54879	54879	55238
45°	47957	47957	48347
50°	42199	42199	42199
55°	37352	37352	37833
60°	33652	33652	33652
65°	30156	30156	30156
70°	26990	26990	26990
75°	24088	23090	24088
80°	20332	20332	20332
85°	12449	12449	15611

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 48347 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.9	7.5
10°-20°	186.7	17.7
20°-30°	212.6	20.2
30°-40°	190.9	18.1
40°-50°	153.0	14.5
50°-60°	112.4	10.7
60°-70°	73.5	7.0
70°-80°	38.1	3.6
80°-90°	8.9	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°	478.2	45.3
0°-40°	669.2	63.4
0°-60°	934.6	88.6
0°-90°	1055.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1055.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	882	882	882	882	882	
5°	852	852	852	852	854	79
15°	668	668	671	671	672	187
25°	462	462	462	463	465	212
35°	304	304	304	304	306	191
45°	197	197	197	197	198	153
55°	124	124	124	124	126	112
65°	74	72	74	74	74	74
75°	36	35	35	36	36	38
85°	6	6	6	8	8	8
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	882.0	882.0	882.0	882.0	882.0
1°	880.5	878.9	880.5	880.5	882.0
2°	877.3	877.3	877.3	875.7	878.9
3°	871.0	871.0	872.6	871.0	872.6
4°	863.1	863.1	863.1	861.6	864.7
5°	852.1	852.1	852.1	852.1	853.7
6°	841.1	839.5	841.1	839.5	841.1
7°	825.3	825.3	826.9	825.3	826.9
8°	809.6	808.0	811.2	809.6	812.7
9°	793.8	792.3	793.8	792.3	797.0
10°	773.4	774.9	774.9	774.9	776.5
12.5°	726.1	722.9	722.9	722.9	726.1
15°	667.8	667.8	671.0	671.0	672.5
17.5°	615.8	614.3	617.4	617.4	617.4
20°	562.3	560.7	562.3	562.3	563.9
22.5°	508.7	510.3	510.3	510.3	511.9
25°	461.5	461.5	461.5	463.1	464.6
27.5°	417.4	415.8	417.4	419.0	420.5
30°	376.4	374.9	374.9	376.4	378.0
32.5°	338.6	337.1	338.6	338.6	340.2
35°	304.0	304.0	304.0	304.0	305.6
37.5°	272.5	272.5	272.5	274.1	274.1
40°	244.1	244.1	244.1	245.7	245.7
42.5°	218.9	218.9	218.9	220.5	222.1
45°	196.9	196.9	196.9	196.9	198.5
47.5°	176.4	176.4	176.4	178.0	178.0
50°	157.5	155.9	157.5	159.1	157.5
52.5°	140.2	140.2	140.2	140.2	141.8
55°	124.4	124.4	124.4	124.4	126.0
57.5°	110.3	110.3	110.3	111.8	111.8
60°	97.7	97.7	97.7	97.7	97.7
62.5°	85.1	85.1	85.1	85.1	85.1
65°	74.0	72.5	74.0	74.0	74.0
67.5°	63.0	63.0	63.0	63.0	63.0
70°	53.6	53.6	53.6	53.6	53.6
72.5°	44.1	44.1	44.1	44.1	44.1
75°	36.2	34.7	34.7	36.2	36.2
77.5°	28.4	26.8	28.4	28.4	28.4
80°	20.5	20.5	20.5	20.5	20.5
82.5°	12.6	12.6	12.6	14.2	14.2
85°	6.3	6.3	6.3	7.9	7.9
87.5°	1.6	1.6	1.6	3.2	3.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)