

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: P1315684

Luminaire Tested: P3SQAS20R359740D010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315684
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: P3SQAS20R359740D010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 97CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

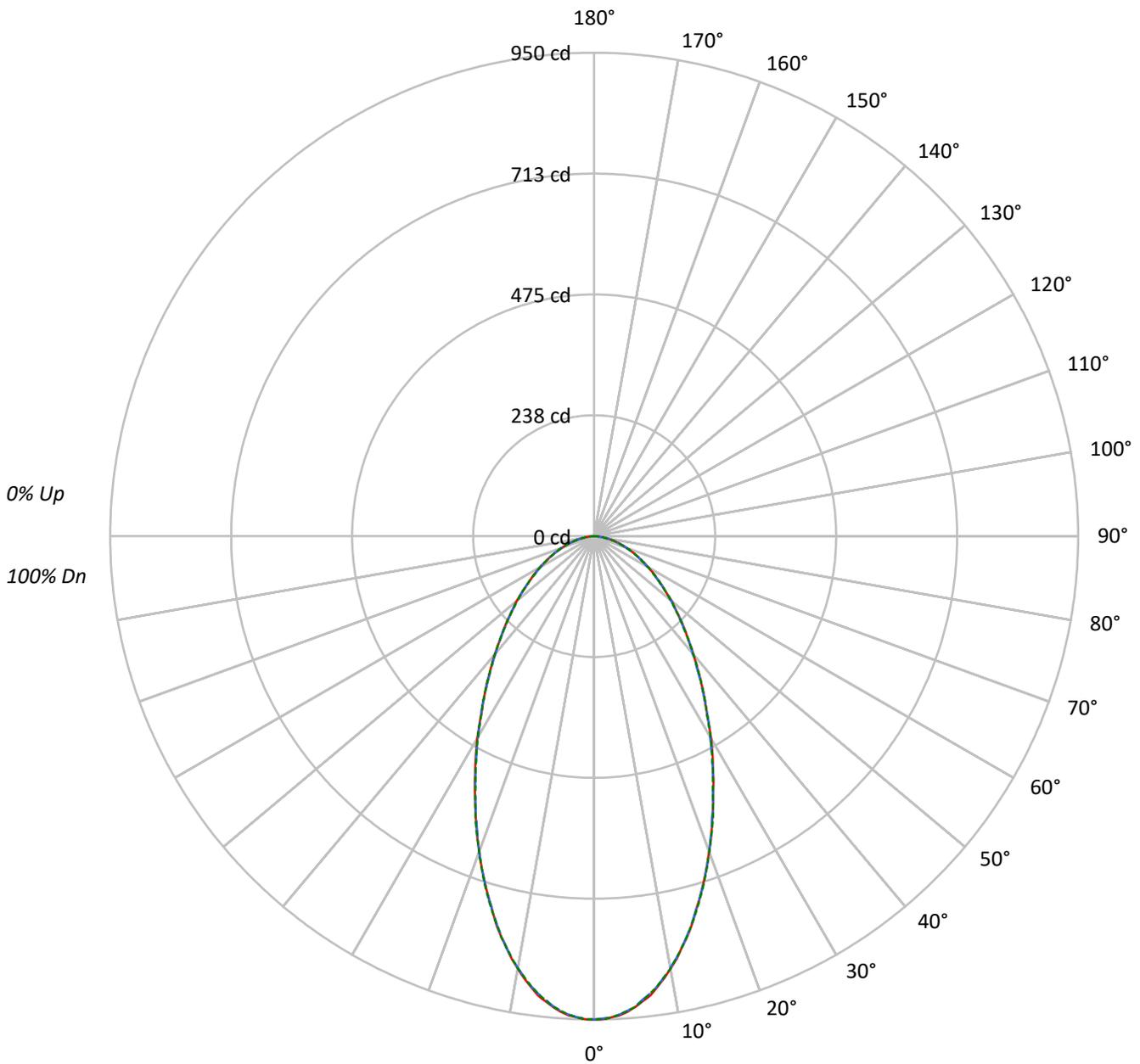
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1269.0 lumens
Efficiency: N/A
Efficacy: 44.1 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): 28.8
Input Voltage (V): NR
Input Current (A_{in}): 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



— 0°-180° - - 45°-225° - - - 90°-270°



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	163594	163594	163594
5°	160537	160260	160537
10°	150938	150659	150938
15°	136665	136665	136951
20°	120962	120962	120962
25°	105199	104876	104876
30°	91200	90543	90862
35°	78505	78169	78505
40°	68121	67738	68121
45°	59843	59429	59429
50°	53104	52648	52648
55°	46721	46721	46721
60°	42298	41747	42298
65°	38062	38062	38062
70°	33788	33788	33788
75°	30543	29411	30543
80°	25985	25985	25985
85°	16203	16203	16203

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 59843 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.4	6.8
10°-20°	213.8	16.8
20°-30°	254.0	20.0
30°-40°	233.5	18.4
40°-50°	189.6	14.9
50°-60°	140.2	11.1
60°-70°	92.7	7.3
70°-80°	48.0	3.8
80°-90°	10.8	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°	554.3	43.7
0°-40°	787.7	62.1
0°-60°	1117.5	88.1
0°-90°	1269.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1269.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	950	950	950	950	950	
5°	929	927	927	927	929	87
15°	766	766	766	766	768	214
25°	554	552	552	554	552	255
35°	373	372	372	373	373	234
45°	246	244	244	244	244	190
55°	156	156	156	156	156	141
65°	93	93	93	93	93	93
75°	46	46	44	46	46	49
85°	8	8	8	8	8	11
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	949.9	949.9	949.9	949.9	949.9
1°	949.9	948.3	948.3	948.3	949.9
2°	946.6	946.6	946.6	946.6	946.6
3°	943.3	941.7	941.7	941.7	941.7
4°	936.8	935.2	935.2	935.2	935.2
5°	928.6	927.0	927.0	927.0	928.6
6°	918.8	917.1	915.5	915.5	917.1
7°	909.0	905.7	905.7	905.7	905.7
8°	894.2	892.6	892.6	892.6	892.6
9°	879.5	876.2	877.8	877.8	877.8
10°	863.1	861.5	861.5	861.5	863.1
11°	846.7	845.1	845.1	843.4	845.1
12°	827.1	827.1	827.1	827.1	827.1
13°	809.0	807.4	807.4	807.4	809.0
14°	789.4	787.8	787.8	787.8	787.8
15°	766.5	766.5	766.5	766.5	768.1
17.5°	714.1	712.4	714.1	714.1	715.7
20°	660.0	658.4	660.0	660.0	660.0
22.5°	606.0	606.0	604.3	606.0	607.6
25°	553.6	551.9	551.9	553.6	551.9
27.5°	504.4	502.8	502.8	502.8	502.8
30°	458.6	455.3	455.3	456.9	456.9
32.5°	411.1	411.1	412.7	411.1	411.1
35°	373.4	371.8	371.8	373.4	373.4
37.5°	335.7	334.1	334.1	335.7	335.7
40°	303.0	303.0	301.3	303.0	303.0
42.5°	271.9	271.9	271.9	271.9	271.9
45°	245.7	244.0	244.0	244.0	244.0
47.5°	219.5	219.5	219.5	217.8	219.5
50°	198.2	196.5	196.5	196.5	196.5
52.5°	175.2	175.2	175.2	175.2	175.2
55°	155.6	155.6	155.6	155.6	155.6
57.5°	139.2	137.6	137.6	137.6	137.6
60°	122.8	122.8	121.2	122.8	122.8
62.5°	106.5	106.5	106.5	106.5	106.5
65°	93.4	93.4	93.4	93.4	93.4
67.5°	80.2	80.2	80.2	80.2	80.2
70°	67.1	67.1	67.1	67.1	67.1
72.5°	57.3	55.7	55.7	55.7	55.7
75°	45.9	45.9	44.2	45.9	45.9
77.5°	34.4	34.4	34.4	34.4	34.4
80°	26.2	26.2	26.2	24.6	26.2
82.5°	16.4	16.4	16.4	16.4	16.4
85°	8.2	8.2	8.2	8.2	8.2
87.5°	1.6	1.6	1.6	3.3	3.3



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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)