

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: P1309549

Luminaire Tested: P3SQAS24R209035D010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309549
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R209035D010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

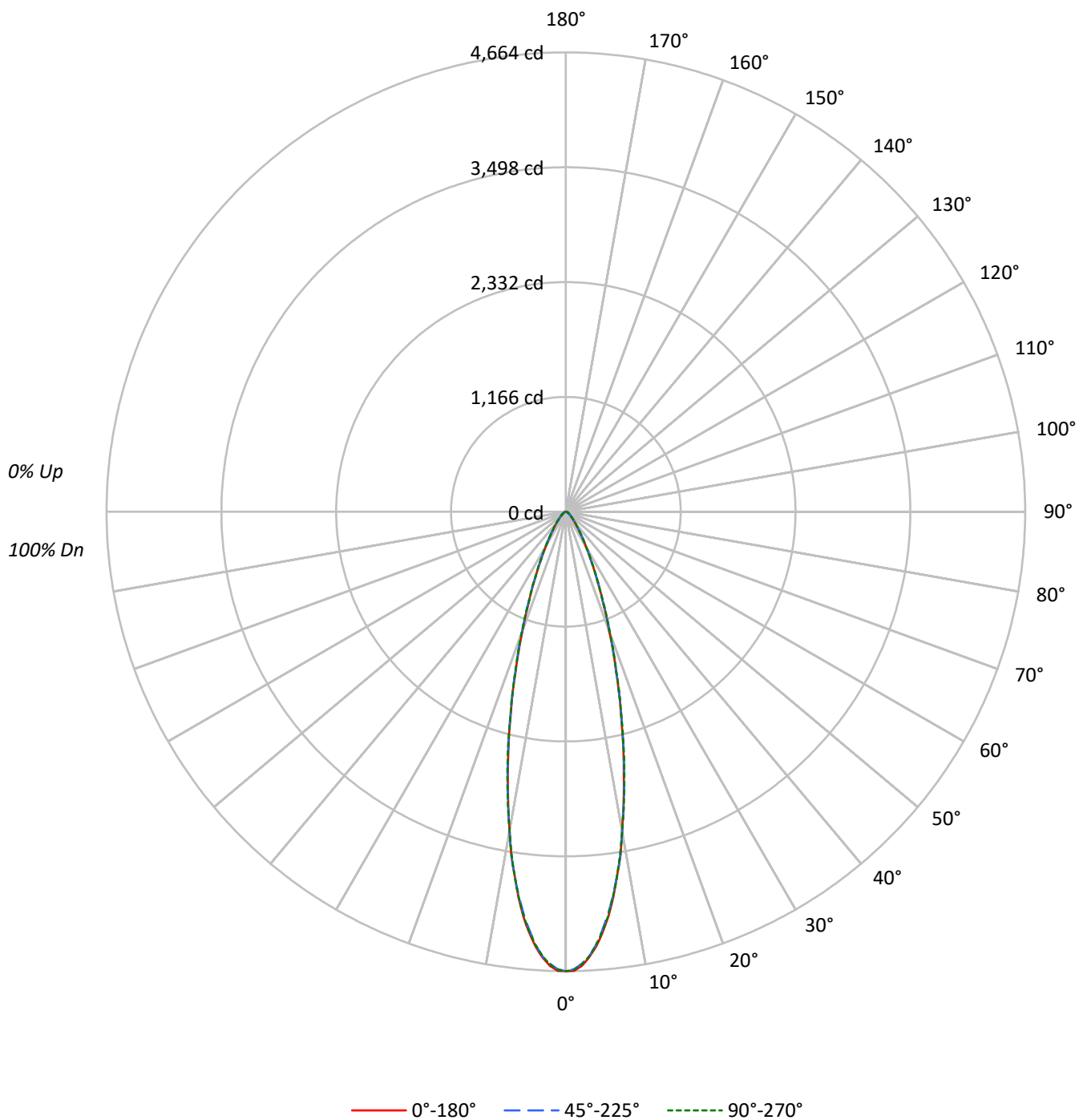
Lumens per Lamp: N/A
Luminaire Lumens: 1639.0 lumens
Efficiency: N/A
Efficacy: 56.9 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	101	97	107	103	99	96	99	97	94		96	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86
5	96	88	83	79	94	87	82	79	86	81	78		84	80	77		82
6	92	84	79	75	90	83	78	75	82	77	74		80	77	74		79
7	88	80	75	71	87	80	75	71	78	74	71		77	73	70		76
8	85	77	72	68	84	76	71	68	75	71	68		74	70	67		73
9	82	74	69	65	81	73	68	65	72	68	65		71	67	65		71
10	79	71	66	62	78	70	66	62	70	65	62		69	65	62		68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	803229	803229	803229
5°	741018	736782	739254
10°	575039	575756	575756
15°	388672	390490	390490
20°	236041	239046	240164
25°	138472	140411	140012
30°	80779	82390	82808
35°	49345	50627	50627
40°	32127	32577	33049
45°	22359	22870	23357
50°	16397	16960	16960
55°	12881	13482	13482
60°	11263	11263	11952
65°	9984	9984	10799
70°	9265	9265	9265
75°	8118	8118	8118
80°	6050	6050	8133
85°	3952	3952	8102

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 23357 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	376.1	22.9
10°-20°	602.3	36.7
20°-30°	348.8	21.3
30°-40°	156.4	9.5
40°-50°	74.2	4.5
50°-60°	40.6	2.5
60°-70°	24.6	1.5
70°-80°	13.2	0.8
80°-90°	2.9	0.2
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°	1327.1	81.0
0°-40°	1483.5	90.5
0°-60°	1598.3	97.5
0°-90°	1639.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1639.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4664	4664	4664	4664	4664	
5°	4286	4272	4262	4270	4276	377
15°	2180	2180	2190	2180	2190	600
25°	729	729	739	733	737	345
35°	235	237	241	243	241	153
45°	92	92	94	94	96	73
55°	43	43	45	45	45	40
65°	24	24	24	24	26	24
75°	12	12	12	12	12	13
85°	2	2	2	2	4	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4663.9	4663.9	4663.9	4663.9	4663.9
1°	4661.8	4649.6	4645.5	4641.4	4653.7
2°	4614.9	4600.6	4592.5	4596.5	4598.6
3°	4531.2	4523.1	4523.1	4516.9	4521.0
4°	4423.0	4406.7	4406.7	4408.8	4408.8
5°	4286.3	4272.0	4261.8	4270.0	4276.1
6°	4133.2	4114.8	4106.7	4108.7	4123.0
7°	3945.4	3920.9	3925.0	3935.2	3935.2
8°	3733.2	3731.1	3735.2	3731.1	3735.2
9°	3537.2	3508.6	3533.1	3512.7	3522.9
10°	3288.2	3286.2	3292.3	3298.4	3292.3
12.5°	2720.8	2731.0	2735.1	2726.9	2745.3
15°	2179.9	2179.9	2190.1	2179.9	2190.1
17.5°	1696.1	1694.1	1702.3	1694.1	1706.4
20°	1287.9	1302.2	1304.3	1304.3	1310.4
22.5°	971.6	971.6	979.7	981.8	977.7
25°	728.7	728.7	738.9	732.8	736.8
27.5°	538.8	542.9	551.1	555.2	555.2
30°	406.2	408.2	414.3	416.4	416.4
32.5°	306.2	310.2	314.3	316.4	318.4
35°	234.7	236.8	240.8	242.9	240.8
37.5°	179.6	181.7	185.7	187.8	187.8
40°	142.9	142.9	144.9	147.0	147.0
42.5°	112.3	114.3	114.3	116.3	116.3
45°	91.8	91.8	93.9	93.9	95.9
47.5°	73.5	73.5	75.5	77.6	77.6
50°	61.2	61.2	63.3	63.3	63.3
52.5°	51.0	51.0	53.1	53.1	53.1
55°	42.9	42.9	44.9	44.9	44.9
57.5°	36.7	36.7	38.8	38.8	38.8
60°	32.7	32.7	32.7	32.7	34.7
62.5°	28.6	28.6	28.6	28.6	28.6
65°	24.5	24.5	24.5	24.5	26.5
67.5°	20.4	20.4	20.4	20.4	22.5
70°	18.4	18.4	18.4	18.4	18.4
72.5°	14.3	14.3	14.3	16.3	16.3
75°	12.2	12.2	12.2	12.2	12.2
77.5°	10.2	10.2	10.2	10.2	10.2
80°	6.1	6.1	6.1	8.2	8.2
82.5°	4.1	4.1	4.1	4.1	4.1
85°	2.0	2.0	2.0	2.0	4.1
87.5°	0.0	0.0	0.0	2.0	2.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)