

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: P1314658

Luminaire Tested: P3SQAS20R209735D010 E3SQPHL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314658
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: P3SQAS20R209735D010 E3SQPHL1MB
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 97CRI , E3SQPHL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

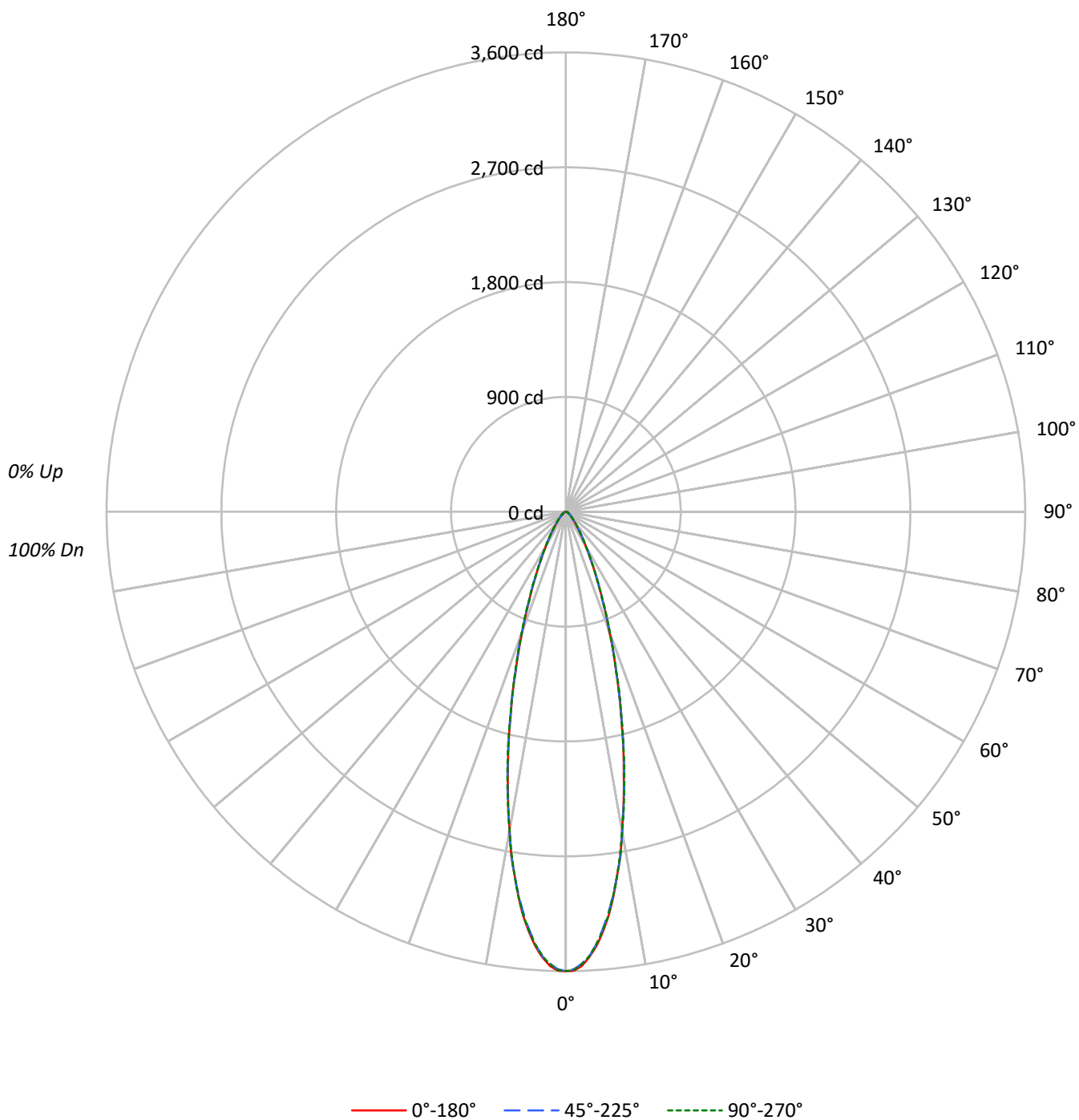
Lumens per Lamp: N/A
Luminaire Lumens: 1265.1 lumens
Efficiency: N/A
Efficacy: 43.9 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	619933	619933	619933
5°	571923	568656	570558
10°	443827	444369	444369
15°	299986	301377	301377
20°	182176	184485	185365
25°	106871	108372	108068
30°	62344	63597	63915
35°	38096	39085	39085
40°	24798	25135	25495
45°	17268	17658	18023
50°	12673	13075	13075
55°	9939	10419	10419
60°	8680	8680	9231
65°	7702	7702	8354
70°	7150	7150	7150
75°	6321	6321	6321
80°	4661	4661	6248
85°	3162	3162	6323

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 18023 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.3	22.9
10°-20°	464.8	36.7
20°-30°	269.2	21.3
30°-40°	120.7	9.5
40°-50°	57.2	4.5
50°-60°	31.4	2.5
60°-70°	19.0	1.5
70°-80°	10.2	0.8
80°-90°	2.2	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°	1024.3	81.0
0°-40°	1145.0	90.5
0°-60°	1233.6	97.5
0°-90°	1265.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1265.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3600	3600	3600	3600	3600	
5°	3308	3297	3289	3296	3300	291
15°	1682	1682	1690	1682	1690	463
25°	562	562	570	566	569	266
35°	181	183	186	188	186	118
45°	71	71	72	72	74	56
55°	33	33	35	35	35	31
65°	19	19	19	19	20	19
75°	10	10	10	10	10	10
85°	2	2	2	2	3	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3599.6	3599.6	3599.6	3599.6	3599.6
1°	3598.1	3588.6	3585.5	3582.3	3591.8
2°	3561.8	3550.8	3544.5	3547.7	3549.2
3°	3497.3	3490.9	3490.9	3486.2	3489.4
4°	3413.8	3401.2	3401.2	3402.7	3402.7
5°	3308.2	3297.2	3289.3	3295.6	3300.3
6°	3190.1	3175.9	3169.6	3171.2	3182.2
7°	3045.1	3026.2	3029.4	3037.3	3037.3
8°	2881.3	2879.7	2882.9	2879.7	2882.9
9°	2730.1	2708.0	2726.9	2711.2	2719.0
10°	2537.9	2536.3	2541.0	2545.7	2541.0
12.5°	2099.9	2107.8	2111.0	2104.7	2118.8
15°	1682.5	1682.5	1690.3	1682.5	1690.3
17.5°	1309.1	1307.5	1313.8	1307.5	1317.0
20°	994.0	1005.1	1006.6	1006.6	1011.4
22.5°	749.9	749.9	756.2	757.7	754.6
25°	562.4	562.4	570.3	565.5	568.7
27.5°	415.9	419.0	425.3	428.5	428.5
30°	313.5	315.1	319.8	321.4	321.4
32.5°	236.3	239.5	242.6	244.2	245.8
35°	181.2	182.7	185.9	187.5	185.9
37.5°	138.6	140.2	143.4	144.9	144.9
40°	110.3	110.3	111.8	113.4	113.4
42.5°	86.6	88.2	88.2	89.8	89.8
45°	70.9	70.9	72.5	72.5	74.0
47.5°	56.7	56.7	58.3	59.9	59.9
50°	47.3	47.3	48.8	48.8	48.8
52.5°	39.4	39.4	41.0	41.0	41.0
55°	33.1	33.1	34.7	34.7	34.7
57.5°	28.4	28.4	29.9	29.9	29.9
60°	25.2	25.2	25.2	25.2	26.8
62.5°	22.1	22.1	22.1	22.1	22.1
65°	18.9	18.9	18.9	18.9	20.5
67.5°	15.8	15.8	15.8	15.8	17.3
70°	14.2	14.2	14.2	14.2	14.2
72.5°	11.0	11.0	11.0	12.6	12.6
75°	9.5	9.5	9.5	9.5	9.5
77.5°	7.9	7.9	7.9	7.9	7.9
80°	4.7	4.7	4.7	6.3	6.3
82.5°	3.2	3.2	3.2	3.2	3.2
85°	1.6	1.6	1.6	1.6	3.2
87.5°	0.0	0.0	0.0	1.6	1.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)