

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: P1311631

Luminaire Tested: P3SQAS20R309050D010 E3SQPHL1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311631
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R309050D010 E3SQPHL1MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , E3SQPHL1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

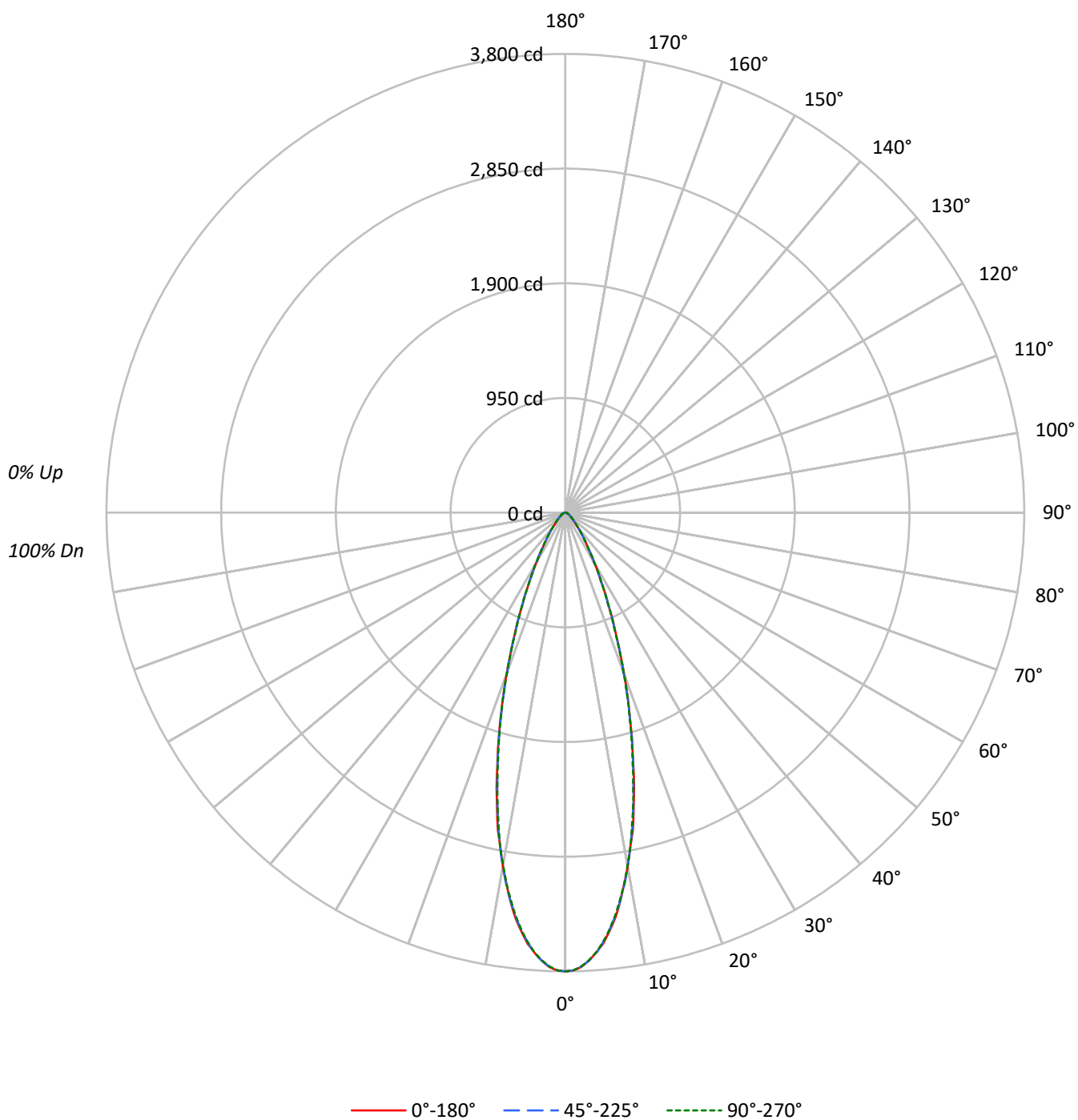
Lumens per Lamp: N/A
Luminaire Lumens: 1669.0 lumens
Efficiency: N/A
Efficacy: 58.0 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	106	111	109	107	105	105	103	101		101	100	98		98
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89
4	99	92	87	83	97	91	86	82	89	84	81		87	83	80		85
5	95	87	81	77	93	86	81	77	84	80	76		82	79	76		81
6	90	82	77	73	89	82	76	73	80	76	72		79	75	72		77
7	87	78	73	69	86	78	72	69	76	72	68		75	71	68		74
8	83	75	69	66	82	74	69	65	73	68	65		72	68	65		71
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68
10	77	68	63	60	76	68	63	60	67	63	59		66	62	59		66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	654498	654498	654498
5°	619656	618048	617737
10°	520564	520564	518640
15°	387852	386871	384553
20°	259573	258235	258565
25°	160021	159660	160363
30°	96211	96211	96589
35°	59016	59016	59394
40°	37365	37365	38197
45°	25647	26085	26085
50°	18809	18809	18809
55°	14413	14983	14983
60°	12090	12090	12710
65°	10555	10555	10555
70°	9316	10222	10222
75°	8584	8584	8584
80°	7339	7339	7339
85°	3557	3557	3557

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 26085 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	322.2	19.3
10°-20°	594.9	35.6
20°-30°	395.4	23.7
30°-40°	182.8	11.0
40°-50°	84.9	5.1
50°-60°	45.4	2.7
60°-70°	26.5	1.6
70°-80°	14.0	0.8
80°-90°	3.0	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°	1312.5	78.6
0°-40°	1495.3	89.6
0°-60°	1625.5	97.4
0°-90°	1669.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1669.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3800	3800	3800	3800	3800	
5°	3584	3577	3575	3584	3573	322
15°	2175	2183	2170	2170	2157	597
25°	842	840	840	840	844	396
35°	281	279	281	282	282	182
45°	105	105	107	107	107	84
55°	48	50	50	50	50	45
65°	26	26	26	26	26	26
75°	13	13	13	13	13	14
85°	2	2	2	2	2	3
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3800.3	3800.3	3800.3	3800.3	3800.3
1°	3792.9	3789.2	3792.9	3798.5	3791.1
2°	3767.1	3763.4	3763.4	3770.8	3763.4
3°	3717.2	3720.9	3719.1	3726.5	3713.5
4°	3654.4	3652.6	3660.0	3663.7	3652.6
5°	3584.3	3576.9	3575.0	3584.3	3573.2
6°	3488.2	3482.7	3479.0	3490.1	3475.3
7°	3384.8	3381.1	3375.6	3379.3	3368.2
8°	3257.4	3255.6	3251.9	3255.6	3242.6
9°	3115.2	3115.2	3122.6	3120.8	3113.4
10°	2976.7	2980.4	2976.7	2980.4	2965.7
11°	2821.6	2821.6	2825.3	2823.5	2825.3
12°	2686.8	2672.0	2668.3	2664.7	2653.6
13°	2513.2	2502.2	2498.5	2502.2	2496.6
14°	2354.4	2347.0	2328.6	2332.3	2324.9
15°	2175.3	2182.7	2169.8	2169.8	2156.8
17.5°	1778.3	1770.9	1774.6	1776.4	1770.9
20°	1416.3	1412.7	1409.0	1405.3	1410.8
22.5°	1100.6	1102.4	1098.7	1095.0	1091.3
25°	842.1	840.2	840.2	840.2	843.9
27.5°	638.9	638.9	638.9	640.8	640.8
30°	483.8	480.1	483.8	485.7	485.7
32.5°	361.9	365.6	367.5	367.5	367.5
35°	280.7	278.8	280.7	282.5	282.5
37.5°	214.2	214.2	216.1	216.1	217.9
40°	166.2	166.2	166.2	168.0	169.9
42.5°	131.1	131.1	133.0	133.0	134.8
45°	105.3	105.3	107.1	107.1	107.1
47.5°	84.9	84.9	86.8	86.8	86.8
50°	70.2	70.2	70.2	70.2	70.2
52.5°	59.1	57.2	59.1	59.1	59.1
55°	48.0	49.9	49.9	49.9	49.9
57.5°	40.6	42.5	42.5	42.5	42.5
60°	35.1	35.1	35.1	36.9	36.9
62.5°	29.5	31.4	31.4	31.4	31.4
65°	25.9	25.9	25.9	25.9	25.9
67.5°	22.2	22.2	22.2	22.2	24.0
70°	18.5	18.5	20.3	20.3	20.3
72.5°	16.6	16.6	16.6	16.6	16.6
75°	12.9	12.9	12.9	12.9	12.9
77.5°	9.2	9.2	11.1	11.1	9.2
80°	7.4	7.4	7.4	7.4	7.4
82.5°	5.5	5.5	5.5	5.5	5.5
85°	1.8	1.8	1.8	1.8	1.8
87.5°	0.0	0.0	0.0	0.0	0.0



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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)