

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: P1310571

Luminaire Tested: P3SQAS20R359040D010 E3SQPHL1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310571
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R359040D010 E3SQPHL1MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , E3SQPHL1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

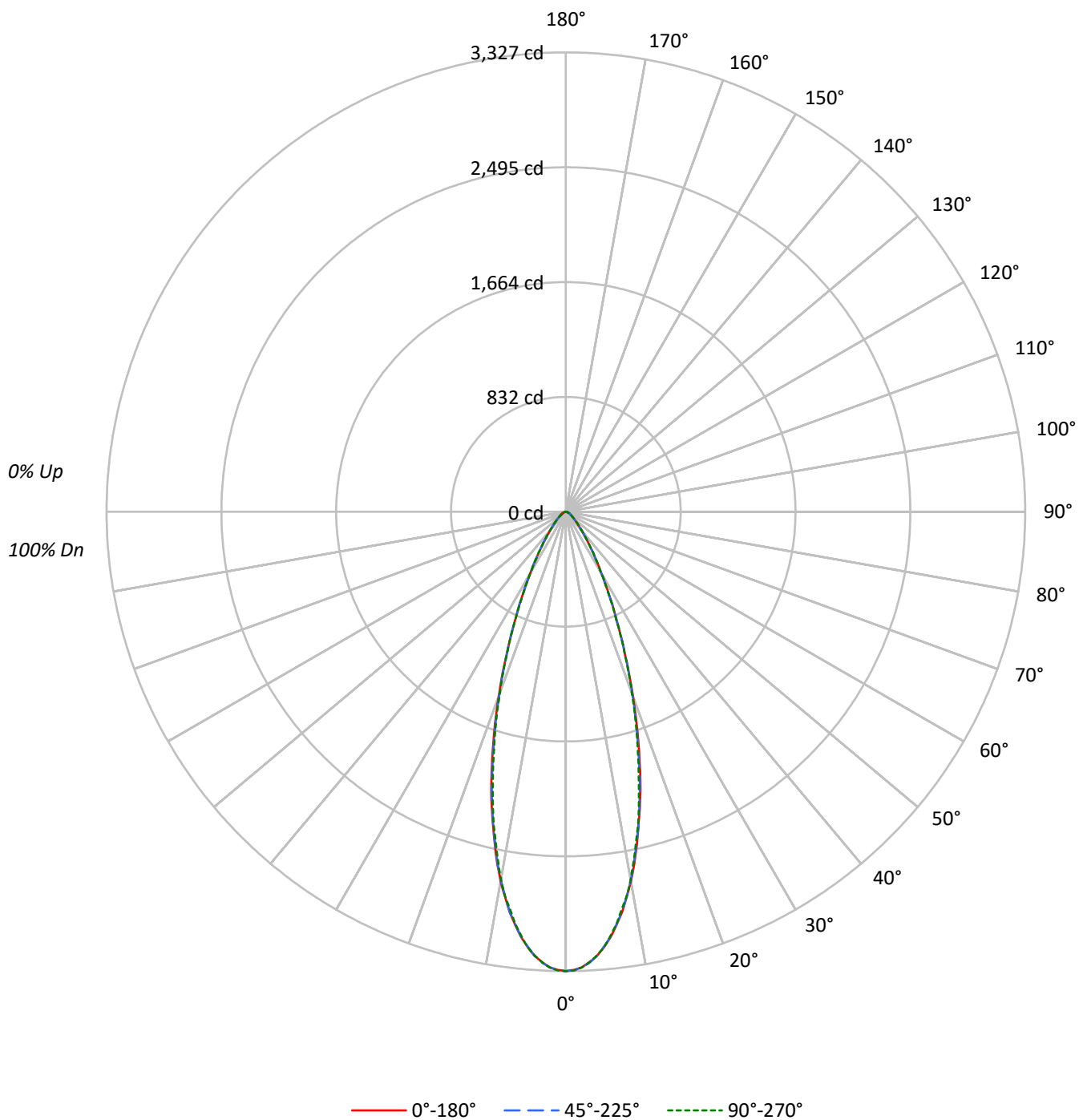
Lumens per Lamp: N/A
Luminaire Lumens: 1641.0 lumens
Efficiency: N/A
Efficacy: 57.0 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88
4	98	91	86	82	96	90	85	81	88	84	80		86	82	79		84
5	94	86	80	76	92	85	80	76	83	79	75		82	78	75		80
6	90	81	76	72	88	81	75	71	79	74	71		78	74	70		76
7	86	77	72	68	85	77	71	67	75	71	67		74	70	67		73
8	82	73	68	64	81	73	68	64	72	67	64		71	67	63		70
9	79	70	65	61	78	70	64	61	69	64	61		68	63	60		67
10	76	67	62	58	75	67	61	58	66	61	58		65	61	58		64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	573054	573054	573054
5°	547582	546648	547582
10°	475375	473783	473154
15°	372500	369576	363746
20°	260599	258272	256604
25°	165513	166539	165513
30°	101978	102694	101978
35°	63074	63452	63452
40°	40063	40468	40468
45°	27011	27449	27912
50°	19479	19961	19961
55°	15283	15283	15283
60°	12538	12538	12538
65°	11125	11125	11125
70°	10071	10071	10071
75°	8451	8451	8451
80°	7240	7240	7240
85°	3557	3557	7114

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 27912 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.6	17.5
10°-20°	566.2	34.5
20°-30°	408.5	24.9
30°-40°	196.9	12.0
40°-50°	90.8	5.5
50°-60°	46.9	2.9
60°-70°	27.1	1.7
70°-80°	13.7	0.8
80°-90°	3.2	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°	1262.2	76.9
0°-40°	1459.2	88.9
0°-60°	1596.9	97.3
0°-90°	1641.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1641.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3327	3327	3327	3327	3327	
5°	3167	3175	3162	3164	3167	288
15°	2089	2086	2073	2064	2040	570
25°	871	873	876	876	871	409
35°	300	300	302	302	302	196
45°	111	113	113	115	115	90
55°	51	51	51	51	51	46
65°	27	27	27	27	27	27
75°	13	13	13	13	13	14
85°	2	2	2	2	4	3
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3327.4	3327.4	3327.4	3327.4	3327.4
1°	3318.4	3323.8	3322.0	3323.8	3322.0
2°	3302.0	3305.6	3302.0	3303.8	3303.8
3°	3267.4	3271.1	3271.1	3269.3	3267.4
4°	3225.6	3234.7	3225.6	3227.4	3222.0
5°	3167.4	3174.7	3162.0	3163.8	3167.4
6°	3096.5	3098.3	3094.7	3092.9	3089.2
7°	3014.7	3022.0	3009.2	3011.1	3007.4
8°	2927.4	2925.6	2925.6	2918.3	2907.4
9°	2822.0	2829.2	2818.3	2814.7	2816.5
10°	2718.3	2718.3	2709.2	2700.1	2705.6
11°	2600.1	2596.5	2591.0	2578.3	2574.7
12°	2471.0	2478.3	2461.9	2456.5	2443.8
13°	2338.3	2349.2	2341.9	2321.9	2323.8
14°	2214.7	2207.4	2201.9	2198.3	2185.6
15°	2089.2	2085.6	2072.8	2063.7	2040.1
17.5°	1745.5	1749.2	1725.5	1721.9	1712.8
20°	1421.9	1411.0	1409.2	1411.0	1400.1
22.5°	1121.9	1132.8	1120.1	1121.9	1114.6
25°	871.0	872.8	876.4	876.4	871.0
27.5°	676.4	676.4	672.8	676.4	670.9
30°	512.8	512.8	516.4	520.0	512.8
32.5°	396.4	396.4	396.4	398.2	400.0
35°	300.0	300.0	301.8	301.8	301.8
37.5°	230.9	232.7	234.6	234.6	234.6
40°	178.2	180.0	180.0	181.8	180.0
42.5°	141.8	141.8	141.8	143.6	143.6
45°	110.9	112.7	112.7	114.6	114.6
47.5°	90.9	90.9	90.9	92.7	92.7
50°	72.7	74.5	74.5	74.5	74.5
52.5°	60.0	60.0	61.8	61.8	61.8
55°	50.9	50.9	50.9	50.9	50.9
57.5°	41.8	43.6	43.6	43.6	43.6
60°	36.4	36.4	36.4	36.4	36.4
62.5°	30.9	30.9	30.9	30.9	30.9
65°	27.3	27.3	27.3	27.3	27.3
67.5°	21.8	23.6	23.6	23.6	23.6
70°	20.0	20.0	20.0	20.0	20.0
72.5°	14.5	16.4	16.4	16.4	16.4
75°	12.7	12.7	12.7	12.7	12.7
77.5°	10.9	9.1	9.1	9.1	10.9
80°	7.3	7.3	7.3	7.3	7.3
82.5°	5.5	5.5	5.5	5.5	5.5
85°	1.8	1.8	1.8	1.8	3.6
87.5°	0.0	0.0	0.0	1.8	1.8



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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)