

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: P1306228

Luminaire Tested: P3SQASS20R309024D010 E3SQPHL1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306228
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: P3SQASS20R309024D010 E3SQPHL1MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , E3SQPHL1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

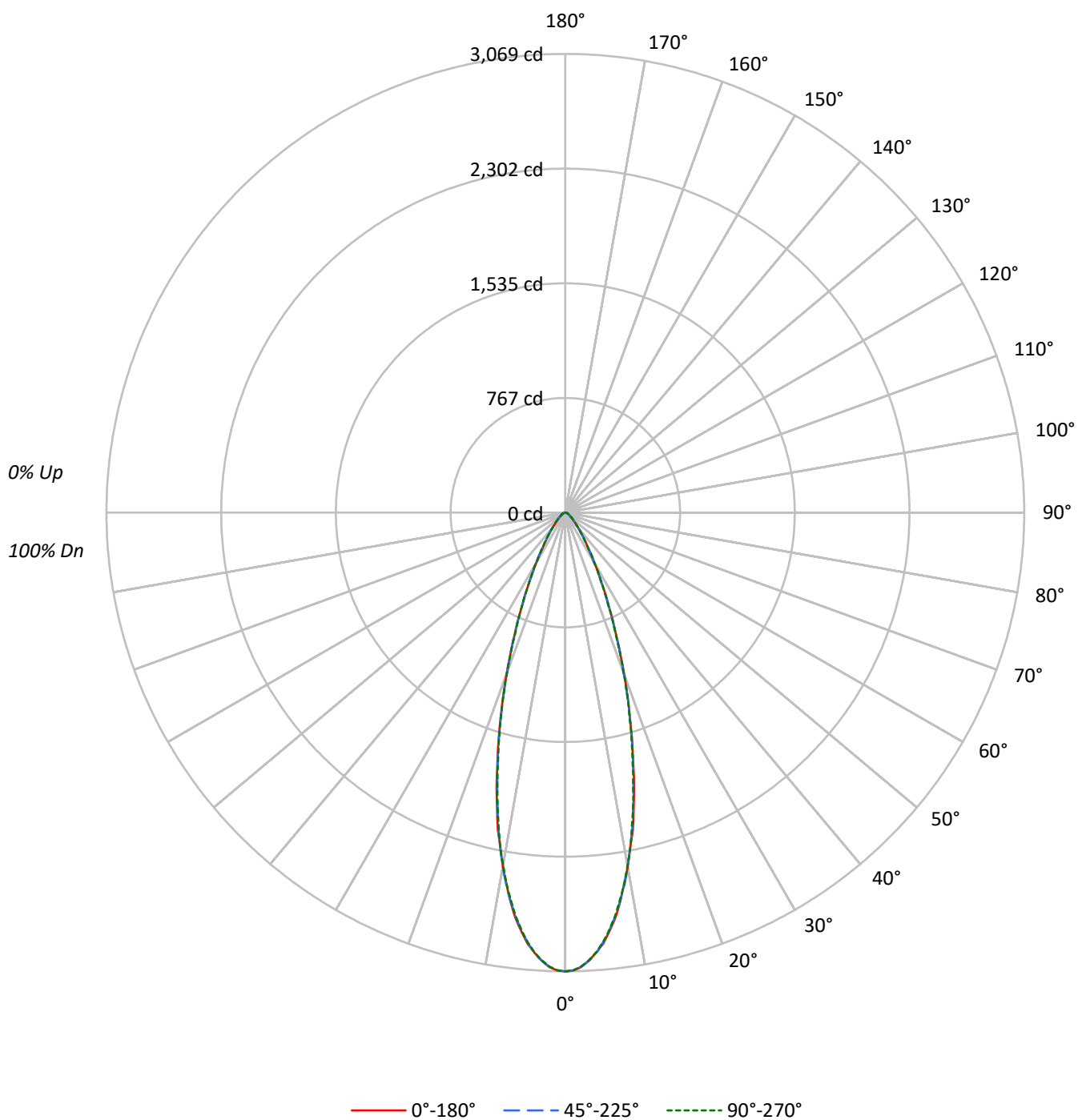
Lumens per Lamp: N/A
Luminaire Lumens: 1348.0 lumens
Efficiency: N/A
Efficacy: 46.8 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	528620	528620	528620
5°	500472	499175	498933
10°	420445	420445	418889
15°	313252	312467	310595
20°	209649	208568	208842
25°	129237	128952	129522
30°	77717	77717	78015
35°	47663	47663	47978
40°	30171	30171	30845
45°	20703	21068	21068
50°	15192	15192	15192
55°	11650	12101	12101
60°	9748	9748	10264
65°	8517	8517	8517
70°	7503	8258	8258
75°	6920	6920	6920
80°	5951	5951	5951
85°	2964	2964	2964

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 21068 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.2	19.3
10°-20°	480.4	35.6
20°-30°	319.4	23.7
30°-40°	147.6	11.0
40°-50°	68.6	5.1
50°-60°	36.6	2.7
60°-70°	21.4	1.6
70°-80°	11.3	0.8
80°-90°	2.4	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°	1060.0	78.6
0°-40°	1207.7	89.6
0°-60°	1312.9	97.4
0°-90°	1348.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1348.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3069	3069	3069	3069	3069	
5°	2895	2889	2887	2895	2886	260
15°	1757	1763	1752	1752	1742	482
25°	680	679	679	679	682	320
35°	227	225	227	228	228	147
45°	85	85	86	86	86	68
55°	39	40	40	40	40	36
65°	21	21	21	21	21	21
75°	10	10	10	10	10	11
85°	2	2	2	2	2	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3069.4	3069.4	3069.4	3069.4	3069.4
1°	3063.4	3060.5	3063.4	3067.9	3061.9
2°	3042.6	3039.6	3039.6	3045.5	3039.6
3°	3002.3	3005.3	3003.8	3009.7	2999.3
4°	2951.6	2950.1	2956.1	2959.0	2950.1
5°	2894.9	2888.9	2887.4	2894.9	2886.0
6°	2817.3	2812.9	2809.9	2818.8	2806.9
7°	2733.8	2730.8	2726.4	2729.4	2720.4
8°	2630.9	2629.4	2626.4	2629.4	2619.0
9°	2516.1	2516.1	2522.0	2520.5	2514.6
10°	2404.2	2407.2	2404.2	2407.2	2395.3
11°	2278.9	2278.9	2281.9	2280.4	2281.9
12°	2170.1	2158.1	2155.1	2152.2	2143.2
13°	2029.9	2020.9	2017.9	2020.9	2016.4
14°	1901.6	1895.6	1880.7	1883.7	1877.7
15°	1756.9	1762.9	1752.5	1752.5	1742.0
17.5°	1436.3	1430.3	1433.3	1434.8	1430.3
20°	1143.9	1141.0	1138.0	1135.0	1139.5
22.5°	888.9	890.4	887.4	884.4	881.4
25°	680.1	678.6	678.6	678.6	681.6
27.5°	516.0	516.0	516.0	517.5	517.5
30°	390.8	387.8	390.8	392.3	392.3
32.5°	292.3	295.3	296.8	296.8	296.8
35°	226.7	225.2	226.7	228.2	228.2
37.5°	173.0	173.0	174.5	174.5	176.0
40°	134.2	134.2	134.2	135.7	137.2
42.5°	105.9	105.9	107.4	107.4	108.9
45°	85.0	85.0	86.5	86.5	86.5
47.5°	68.6	68.6	70.1	70.1	70.1
50°	56.7	56.7	56.7	56.7	56.7
52.5°	47.7	46.2	47.7	47.7	47.7
55°	38.8	40.3	40.3	40.3	40.3
57.5°	32.8	34.3	34.3	34.3	34.3
60°	28.3	28.3	28.3	29.8	29.8
62.5°	23.9	25.4	25.4	25.4	25.4
65°	20.9	20.9	20.9	20.9	20.9
67.5°	17.9	17.9	17.9	17.9	19.4
70°	14.9	14.9	16.4	16.4	16.4
72.5°	13.4	13.4	13.4	13.4	13.4
75°	10.4	10.4	10.4	10.4	10.4
77.5°	7.5	7.5	8.9	8.9	7.5
80°	6.0	6.0	6.0	6.0	6.0
82.5°	4.5	4.5	4.5	4.5	4.5
85°	1.5	1.5	1.5	1.5	1.5
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)