

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: P1310538

Luminaire Tested: P3SQAS20R259040D010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310538
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R259040D010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

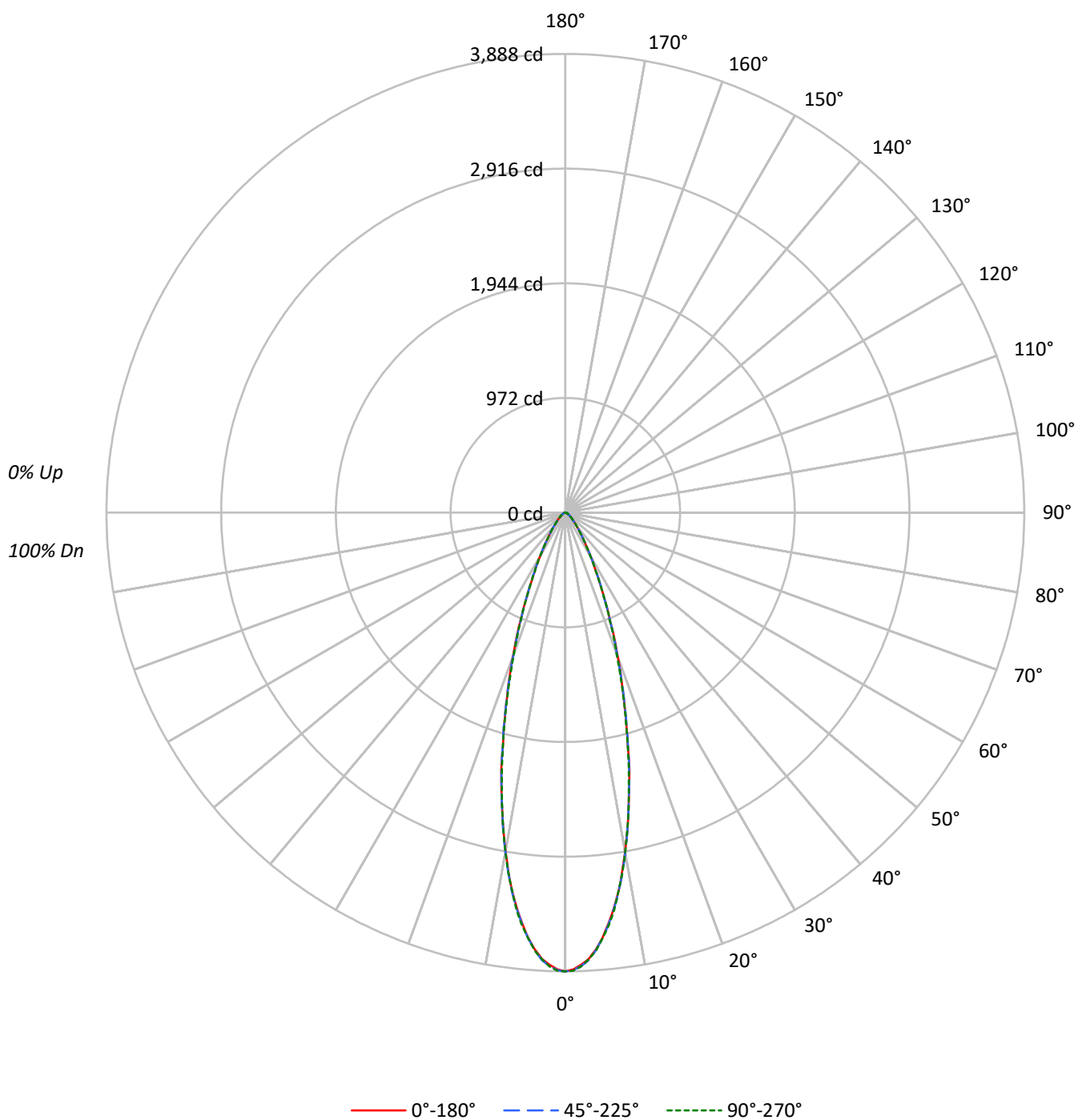
Lumens per Lamp: N/A
Luminaire Lumens: 1558.0 lumens
Efficiency: N/A
Efficacy: 54.1 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	100	97	106	102	99	96	99	96	94		96	94	92		93
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82
6	91	83	78	74	90	82	77	73	81	76	73		79	76	72		78
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75
8	84	76	70	67	83	75	70	66	74	69	66		73	69	66		72
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	669653	669653	669653
5°	625049	625689	626000
10°	509826	511417	511417
15°	364156	366099	364156
20°	238331	235986	232650
25°	141703	142387	141703
30°	85353	85353	84995
35°	51994	52393	51994
40°	33116	33521	33521
45°	23041	23041	23041
50°	16558	17067	17067
55°	13091	13091	13662
60°	10643	11263	11263
65°	9617	9617	9617
70°	8258	8258	9165
75°	7253	7253	8451
80°	7240	7240	7240
85°	3557	3557	3557

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 23041 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	323.1	20.7
10°-20°	563.2	36.2
20°-30°	354.1	22.7
30°-40°	162.0	10.4
40°-50°	75.7	4.9
50°-60°	40.7	2.6
60°-70°	24.0	1.5
70°-80°	12.5	0.8
80°-90°	2.8	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°	1240.4	79.6
0°-40°	1402.4	90.0
0°-60°	1518.7	97.5
0°-90°	1558.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1558.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3888	3888	3888	3888	3888	
5°	3616	3623	3619	3623	3621	323
15°	2042	2055	2053	2057	2042	563
25°	746	755	749	749	746	355
35°	247	247	249	249	247	162
45°	95	95	95	95	95	75
55°	44	44	44	46	46	40
65°	24	24	24	24	24	23
75°	11	11	11	13	13	12
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°	3888.3	3888.3	3888.3	3888.3	3888.3
1°	3872.0	3875.6	3879.2	3884.7	3882.9
2°	3835.6	3842.9	3844.7	3852.0	3850.2
3°	3786.5	3784.7	3799.2	3799.2	3790.1
4°	3710.1	3713.7	3717.4	3721.0	3722.8
5°	3615.5	3622.8	3619.2	3622.8	3621.0
6°	3499.1	3510.1	3508.2	3511.9	3517.3
7°	3375.5	3382.7	3382.7	3379.1	3393.7
8°	3240.9	3235.4	3244.5	3240.9	3239.1
9°	3080.8	3091.8	3093.6	3084.5	3088.1
10°	2915.3	2922.6	2924.4	2929.9	2924.4
11°	2751.7	2751.7	2755.3	2764.4	2749.8
12°	2573.4	2589.8	2573.4	2580.7	2573.4
13°	2404.3	2407.9	2404.3	2402.5	2389.7
14°	2244.3	2231.5	2235.2	2220.6	2222.4
15°	2042.4	2055.1	2053.3	2056.9	2042.4
17.5°	1642.3	1649.5	1647.7	1644.1	1625.9
20°	1300.4	1300.4	1287.6	1280.4	1269.4
22.5°	993.0	989.4	983.9	978.5	982.1
25°	745.7	754.8	749.3	749.3	745.7
27.5°	563.8	574.7	565.6	560.2	563.8
30°	429.2	432.8	429.2	427.4	427.4
32.5°	323.7	325.5	323.7	323.7	323.7
35°	247.3	247.3	249.2	249.2	247.3
37.5°	191.0	191.0	191.0	191.0	192.8
40°	147.3	149.1	149.1	149.1	149.1
42.5°	116.4	118.2	118.2	118.2	118.2
45°	94.6	94.6	94.6	94.6	94.6
47.5°	76.4	76.4	76.4	76.4	78.2
50°	61.8	63.7	63.7	63.7	63.7
52.5°	52.7	52.7	52.7	52.7	52.7
55°	43.6	43.6	43.6	45.5	45.5
57.5°	36.4	36.4	38.2	38.2	38.2
60°	30.9	32.7	32.7	32.7	32.7
62.5°	27.3	27.3	29.1	29.1	29.1
65°	23.6	23.6	23.6	23.6	23.6
67.5°	20.0	20.0	20.0	20.0	21.8
70°	16.4	16.4	16.4	18.2	18.2
72.5°	14.5	14.5	14.5	14.5	14.5
75°	10.9	10.9	10.9	12.7	12.7
77.5°	9.1	9.1	9.1	9.1	9.1
80°	7.3	7.3	7.3	7.3	7.3
82.5°	3.6	3.6	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)