

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: P1313704

Luminaire Tested: P3SQAS20R259730D010 E3SQPHL1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313704
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: P3SQAS20R259730D010 E3SQPHL1MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 97CRI , E3SQPHL1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

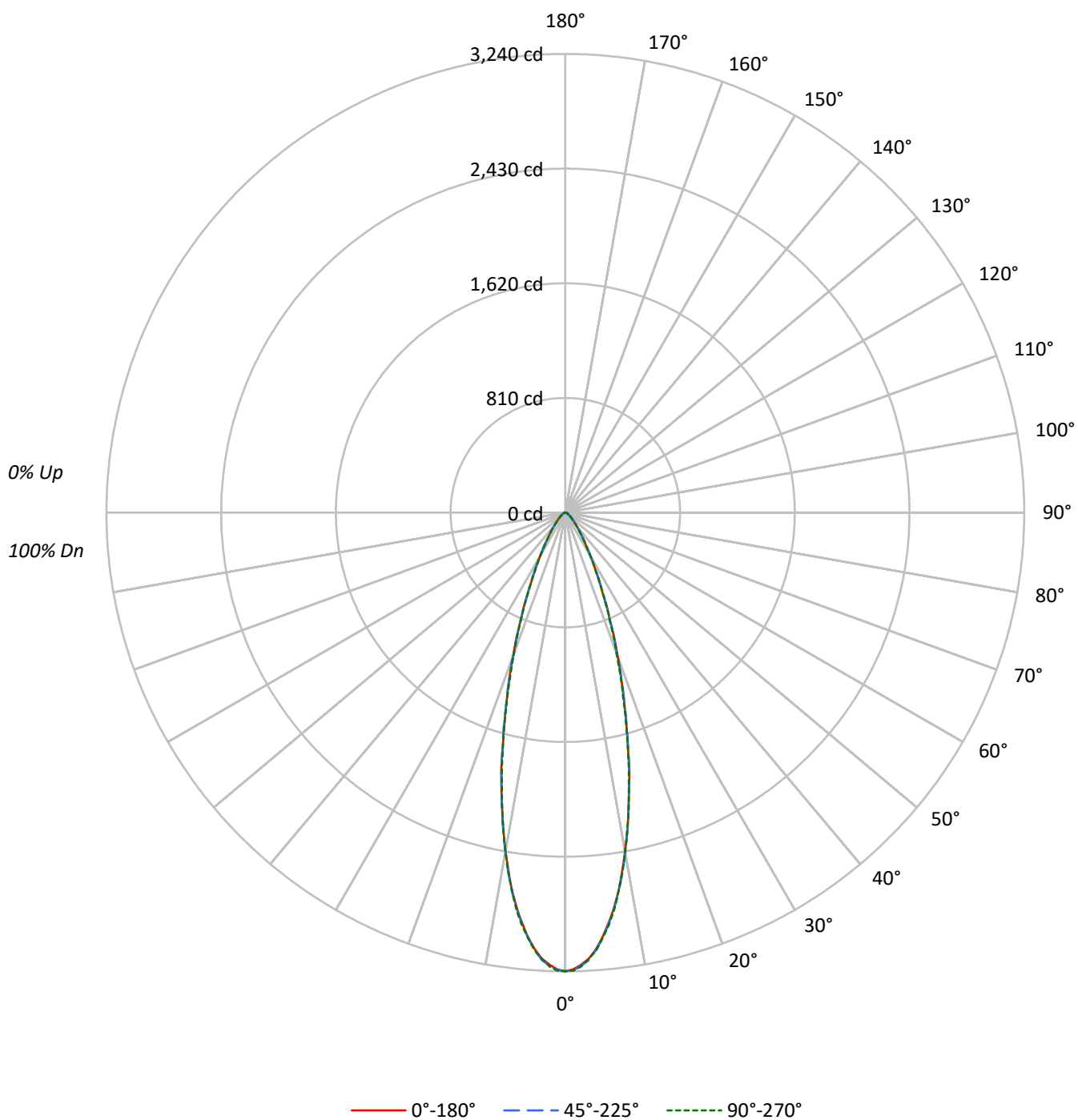
Lumens per Lamp: N/A
Luminaire Lumens: 1298.0 lumens
Efficiency: N/A
Efficacy: 45.1 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	557915	557915	557915
5°	520751	521269	521529
10°	424747	426076	426076
15°	303374	304997	303374
20°	198561	196600	193832
25°	118045	118634	118045
30°	71114	71114	70816
35°	43331	43647	43331
40°	27585	27923	27923
45°	19192	19192	19192
50°	13798	14200	14200
55°	10930	10930	11380
60°	8887	9403	9403
65°	8028	8028	8028
70°	6848	6848	7654
75°	6055	6055	7053
80°	6050	6050	6050
85°	2964	2964	2964

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 19192 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	269.2	20.7
10°-20°	469.2	36.2
20°-30°	295.0	22.7
30°-40°	134.9	10.4
40°-50°	63.0	4.9
50°-60°	33.9	2.6
60°-70°	20.0	1.5
70°-80°	10.4	0.8
80°-90°	2.3	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°	1033.4	79.6
0°-40°	1168.4	90.0
0°-60°	1265.3	97.5
0°-90°	1298.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1298.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3240	3240	3240	3240	3240	
5°	3012	3018	3015	3018	3017	269
15°	1702	1712	1711	1714	1702	469
25°	621	629	624	624	621	296
35°	206	206	208	208	206	135
45°	79	79	79	79	79	62
55°	36	36	36	38	38	33
65°	20	20	20	20	20	19
75°	9	9	9	11	11	10
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°	3239.5	3239.5	3239.5	3239.5	3239.5
1°	3225.8	3228.8	3231.9	3236.4	3234.9
2°	3195.5	3201.6	3203.1	3209.2	3207.6
3°	3154.6	3153.1	3165.2	3165.2	3157.6
4°	3091.0	3094.0	3097.0	3100.1	3101.6
5°	3012.2	3018.2	3015.2	3018.2	3016.7
6°	2915.2	2924.3	2922.8	2925.8	2930.4
7°	2812.2	2818.2	2818.2	2815.2	2827.3
8°	2700.0	2695.5	2703.1	2700.0	2698.5
9°	2566.7	2575.8	2577.3	2569.7	2572.8
10°	2428.8	2434.9	2436.4	2441.0	2436.4
11°	2292.5	2292.5	2295.5	2303.1	2291.0
12°	2144.0	2157.6	2144.0	2150.0	2144.0
13°	2003.1	2006.1	2003.1	2001.6	1990.9
14°	1869.7	1859.1	1862.2	1850.0	1851.5
15°	1701.5	1712.2	1710.6	1713.7	1701.5
17.5°	1368.2	1374.3	1372.8	1369.7	1354.6
20°	1083.4	1083.4	1072.7	1066.7	1057.6
22.5°	827.3	824.3	819.7	815.2	818.2
25°	621.2	628.8	624.3	624.3	621.2
27.5°	469.7	478.8	471.2	466.7	469.7
30°	357.6	360.6	357.6	356.1	356.1
32.5°	269.7	271.2	269.7	269.7	269.7
35°	206.1	206.1	207.6	207.6	206.1
37.5°	159.1	159.1	159.1	159.1	160.6
40°	122.7	124.2	124.2	124.2	124.2
42.5°	97.0	98.5	98.5	98.5	98.5
45°	78.8	78.8	78.8	78.8	78.8
47.5°	63.6	63.6	63.6	63.6	65.2
50°	51.5	53.0	53.0	53.0	53.0
52.5°	43.9	43.9	43.9	43.9	43.9
55°	36.4	36.4	36.4	37.9	37.9
57.5°	30.3	30.3	31.8	31.8	31.8
60°	25.8	27.3	27.3	27.3	27.3
62.5°	22.7	22.7	24.2	24.2	24.2
65°	19.7	19.7	19.7	19.7	19.7
67.5°	16.7	16.7	16.7	16.7	18.2
70°	13.6	13.6	13.6	15.2	15.2
72.5°	12.1	12.1	12.1	12.1	12.1
75°	9.1	9.1	9.1	10.6	10.6
77.5°	7.6	7.6	7.6	7.6	7.6
80°	6.1	6.1	6.1	6.1	6.1
82.5°	3.0	3.0	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)