

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: P1306212

Luminaire Tested: P3SQAS20R259024D010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306212
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: P3SQAS20R259024D010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2400K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

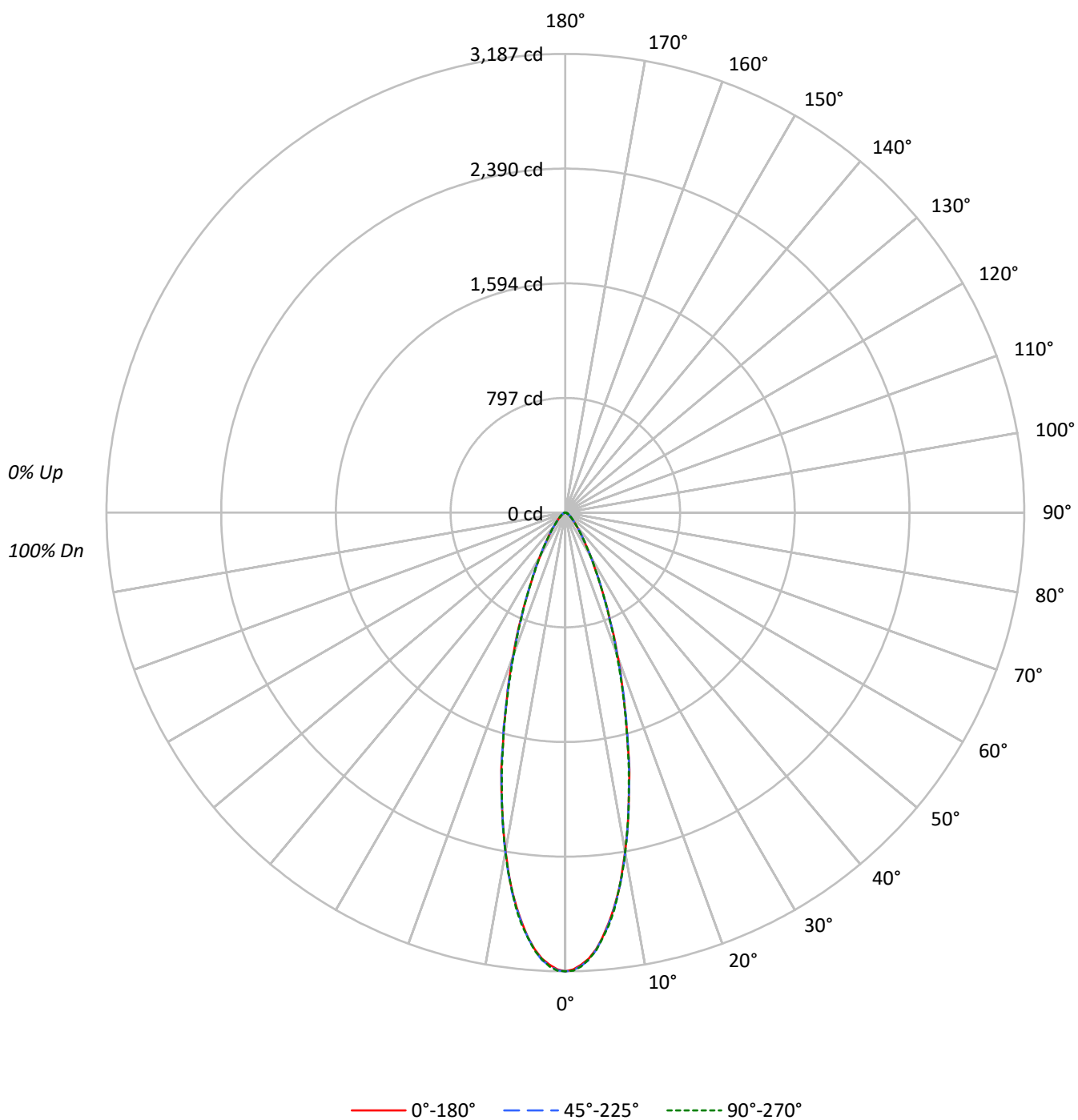
Lumens per Lamp: N/A
Luminaire Lumens: 1277.0 lumens
Efficiency: N/A
Efficacy: 44.3 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85	82	80	79
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82	78	76	74
6	91	83	78	74	90	82	77	73	81	76	73		79	76	72		78	75	72	71
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75	71	69	67
8	84	76	70	67	83	75	70	66	74	69	66		73	69	66		72	68	66	64
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69	66	63	62
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67	63	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	548874	548874	548874
5°	512314	512833	513092
10°	417874	419186	419186
15°	298471	300076	298471
20°	195335	193429	190698
25°	116144	116714	116144
30°	69961	69961	69663
35°	42617	42932	42617
40°	27136	27473	27473
45°	18876	18876	18876
50°	13584	13986	13986
55°	10749	10749	11200
60°	8714	9231	9231
65°	7906	7906	7906
70°	6748	6748	7503
75°	5922	5922	6920
80°	5951	5951	5951
85°	2964	2964	2964

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 18876 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.8	20.7
10°-20°	461.6	36.2
20°-30°	290.2	22.7
30°-40°	132.7	10.4
40°-50°	62.0	4.9
50°-60°	33.3	2.6
60°-70°	19.7	1.5
70°-80°	10.2	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°	1016.7	79.6
0°-40°	1149.5	90.0
0°-60°	1244.8	97.5
0°-90°	1277.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1277.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3187	3187	3187	3187	3187	
5°	2963	2969	2966	2969	2968	264
15°	1674	1684	1683	1686	1674	462
25°	611	619	614	614	611	291
35°	203	203	204	204	203	132
45°	78	78	78	78	78	61
55°	36	36	36	37	37	33
65°	19	19	19	19	19	19
75°	9	9	9	10	10	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°	3187.0	3187.0	3187.0	3187.0	3187.0
1°	3173.6	3176.6	3179.6	3184.1	3182.6
2°	3143.8	3149.8	3151.3	3157.2	3155.7
3°	3103.6	3102.1	3114.0	3114.0	3106.5
4°	3041.0	3043.9	3046.9	3049.9	3051.4
5°	2963.4	2969.4	2966.4	2969.4	2967.9
6°	2868.0	2877.0	2875.5	2878.5	2882.9
7°	2766.7	2772.6	2772.6	2769.7	2781.6
8°	2656.4	2651.9	2659.3	2656.4	2654.9
9°	2525.2	2534.1	2535.6	2528.2	2531.2
10°	2389.5	2395.5	2397.0	2401.5	2397.0
11°	2255.4	2255.4	2258.4	2265.8	2253.9
12°	2109.3	2122.7	2109.3	2115.3	2109.3
13°	1970.7	1973.6	1970.7	1969.2	1958.7
14°	1839.5	1829.0	1832.0	1820.1	1821.6
15°	1674.0	1684.5	1683.0	1685.9	1674.0
17.5°	1346.1	1352.0	1350.5	1347.6	1332.7
20°	1065.8	1065.8	1055.4	1049.4	1040.5
22.5°	813.9	810.9	806.5	802.0	805.0
25°	611.2	618.6	614.2	614.2	611.2
27.5°	462.1	471.1	463.6	459.1	462.1
30°	351.8	354.8	351.8	350.3	350.3
32.5°	265.3	266.8	265.3	265.3	265.3
35°	202.7	202.7	204.2	204.2	202.7
37.5°	156.5	156.5	156.5	156.5	158.0
40°	120.7	122.2	122.2	122.2	122.2
42.5°	95.4	96.9	96.9	96.9	96.9
45°	77.5	77.5	77.5	77.5	77.5
47.5°	62.6	62.6	62.6	62.6	64.1
50°	50.7	52.2	52.2	52.2	52.2
52.5°	43.2	43.2	43.2	43.2	43.2
55°	35.8	35.8	35.8	37.3	37.3
57.5°	29.8	29.8	31.3	31.3	31.3
60°	25.3	26.8	26.8	26.8	26.8
62.5°	22.4	22.4	23.9	23.9	23.9
65°	19.4	19.4	19.4	19.4	19.4
67.5°	16.4	16.4	16.4	16.4	17.9
70°	13.4	13.4	13.4	14.9	14.9
72.5°	11.9	11.9	11.9	11.9	11.9
75°	8.9	8.9	8.9	10.4	10.4
77.5°	7.5	7.5	7.5	7.5	7.5
80°	6.0	6.0	6.0	6.0	6.0
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)