

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: P1306246

Luminaire Tested: P3SQAS20R359024D010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306246
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: P3SQAS20R359024D010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

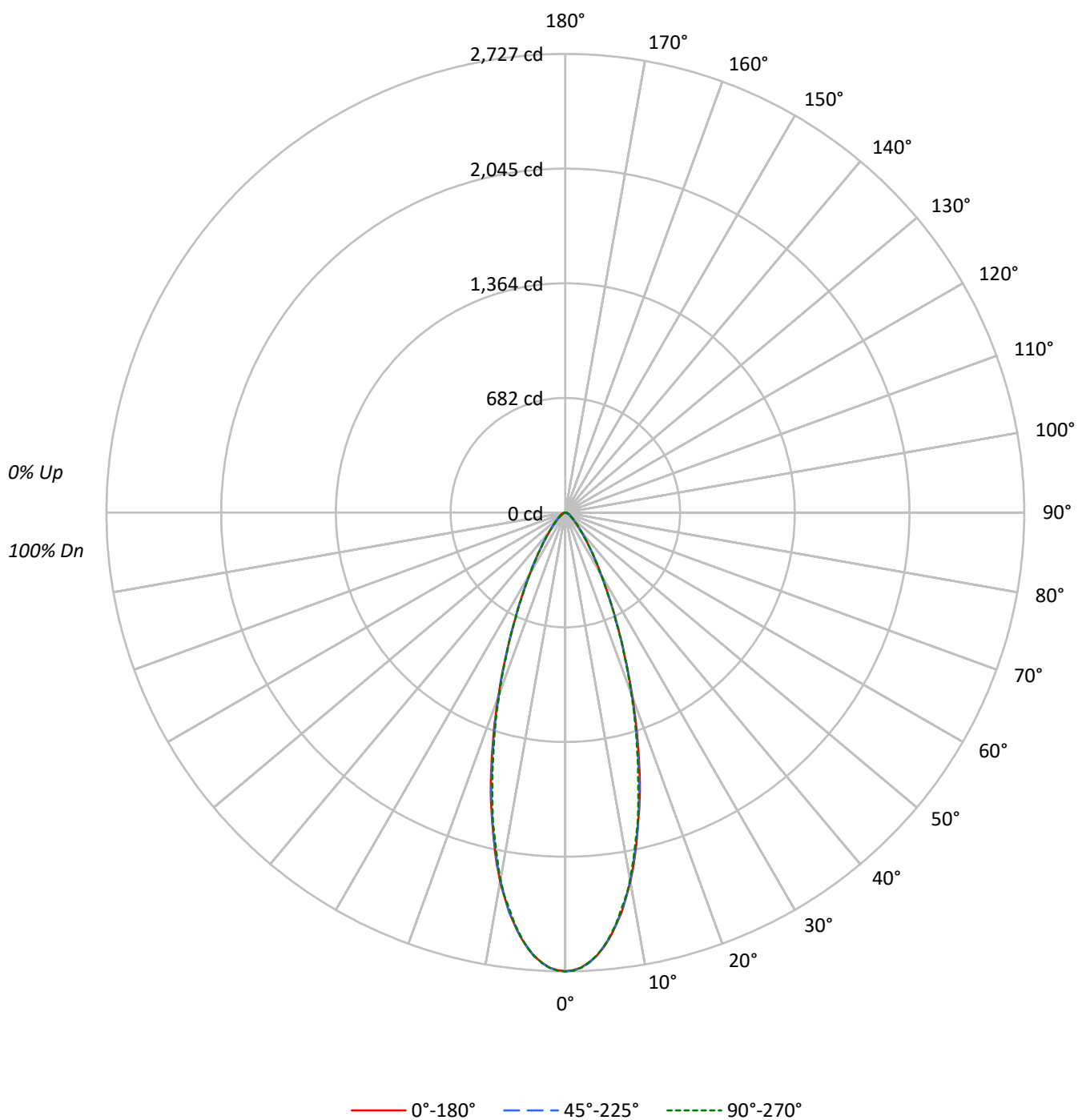
Lumens per Lamp: N/A
Luminaire Lumens: 1345.0 lumens
Efficiency: N/A
Efficacy: 46.7 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			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	108	106	111	109	106	104	105	103	101		101	99	98		97	96	95	94
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93	91	89	87
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88	86	83	82
4	98	91	86	82	96	90	85	81	88	84	80		86	82	79		84	81	78	77
5	94	86	80	76	92	85	80	76	83	79	75		82	78	75		80	77	74	73
6	90	81	76	72	88	81	75	71	79	74	71		78	74	70		76	73	70	69
7	86	77	72	68	85	77	71	67	75	71	67		74	70	67		73	69	66	65
8	82	73	68	64	81	73	68	64	72	67	64		71	67	63		70	66	63	62
9	79	70	65	61	78	70	64	61	69	64	61		68	63	60		67	63	60	59
10	76	67	62	58	75	67	61	58	66	61	58		65	61	58		64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	469686	469686	469686
5°	448815	448037	448815
10°	389631	388320	387813
15°	305317	302910	298132
20°	213589	211683	210309
25°	135660	136496	135660
30°	83583	84160	83583
35°	51699	52015	52015
40°	32824	33161	33161
45°	22140	22505	22870
50°	15969	16371	16371
55°	12521	12521	12521
60°	10264	10264	10264
65°	9128	9128	9128
70°	8258	8258	8258
75°	6920	6920	6920
80°	5951	5951	5951
85°	2964	2964	5928

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 22870 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.7	17.5
10°-20°	464.1	34.5
20°-30°	334.8	24.9
30°-40°	161.4	12.0
40°-50°	74.4	5.5
50°-60°	38.5	2.9
60°-70°	22.3	1.7
70°-80°	11.2	0.8
80°-90°	2.7	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°	1034.6	76.9
0°-40°	1196.0	88.9
0°-60°	1308.9	97.3
0°-90°	1345.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1345.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2727	2727	2727	2727	2727	
5°	2596	2602	2592	2593	2596	236
15°	1712	1709	1699	1692	1672	467
25°	714	715	718	718	714	335
35°	246	246	247	247	247	160
45°	91	92	92	94	94	74
55°	42	42	42	42	42	38
65°	22	22	22	22	22	22
75°	10	10	10	10	10	11
85°	2	2	2	2	3	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2727.2	2727.2	2727.2	2727.2	2727.2
1°	2719.8	2724.3	2722.8	2724.3	2722.8
2°	2706.4	2709.4	2706.4	2707.9	2707.9
3°	2678.1	2681.0	2681.0	2679.6	2678.1
4°	2643.8	2651.2	2643.8	2645.3	2640.8
5°	2596.1	2602.1	2591.6	2593.1	2596.1
6°	2538.0	2539.5	2536.5	2535.0	2532.0
7°	2470.9	2476.9	2466.4	2467.9	2465.0
8°	2399.4	2397.9	2397.9	2391.9	2383.0
9°	2312.9	2318.9	2310.0	2307.0	2308.5
10°	2228.0	2228.0	2220.5	2213.1	2217.6
11°	2131.1	2128.1	2123.7	2113.2	2110.3
12°	2025.3	2031.3	2017.9	2013.4	2003.0
13°	1916.5	1925.5	1919.5	1903.1	1904.6
14°	1815.2	1809.2	1804.8	1801.8	1791.3
15°	1712.4	1709.4	1698.9	1691.5	1672.1
17.5°	1430.7	1433.7	1414.3	1411.3	1403.9
20°	1165.4	1156.5	1155.0	1156.5	1147.5
22.5°	919.5	928.5	918.0	919.5	913.6
25°	713.9	715.3	718.3	718.3	713.9
27.5°	554.4	554.4	551.4	554.4	549.9
30°	420.3	420.3	423.2	426.2	420.3
32.5°	324.9	324.9	324.9	326.4	327.9
35°	245.9	245.9	247.4	247.4	247.4
37.5°	189.3	190.8	192.2	192.2	192.2
40°	146.0	147.5	147.5	149.0	147.5
42.5°	116.2	116.2	116.2	117.7	117.7
45°	90.9	92.4	92.4	93.9	93.9
47.5°	74.5	74.5	74.5	76.0	76.0
50°	59.6	61.1	61.1	61.1	61.1
52.5°	49.2	49.2	50.7	50.7	50.7
55°	41.7	41.7	41.7	41.7	41.7
57.5°	34.3	35.8	35.8	35.8	35.8
60°	29.8	29.8	29.8	29.8	29.8
62.5°	25.3	25.3	25.3	25.3	25.3
65°	22.4	22.4	22.4	22.4	22.4
67.5°	17.9	19.4	19.4	19.4	19.4
70°	16.4	16.4	16.4	16.4	16.4
72.5°	11.9	13.4	13.4	13.4	13.4
75°	10.4	10.4	10.4	10.4	10.4
77.5°	8.9	7.5	7.5	7.5	8.9
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	3.0
87.5°	0.0	0.0	0.0	1.5	1.5



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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)