

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: P1308482

Luminaire Tested: P3SQAS24R359030D010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308482
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: P3SQAS24R359030D010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

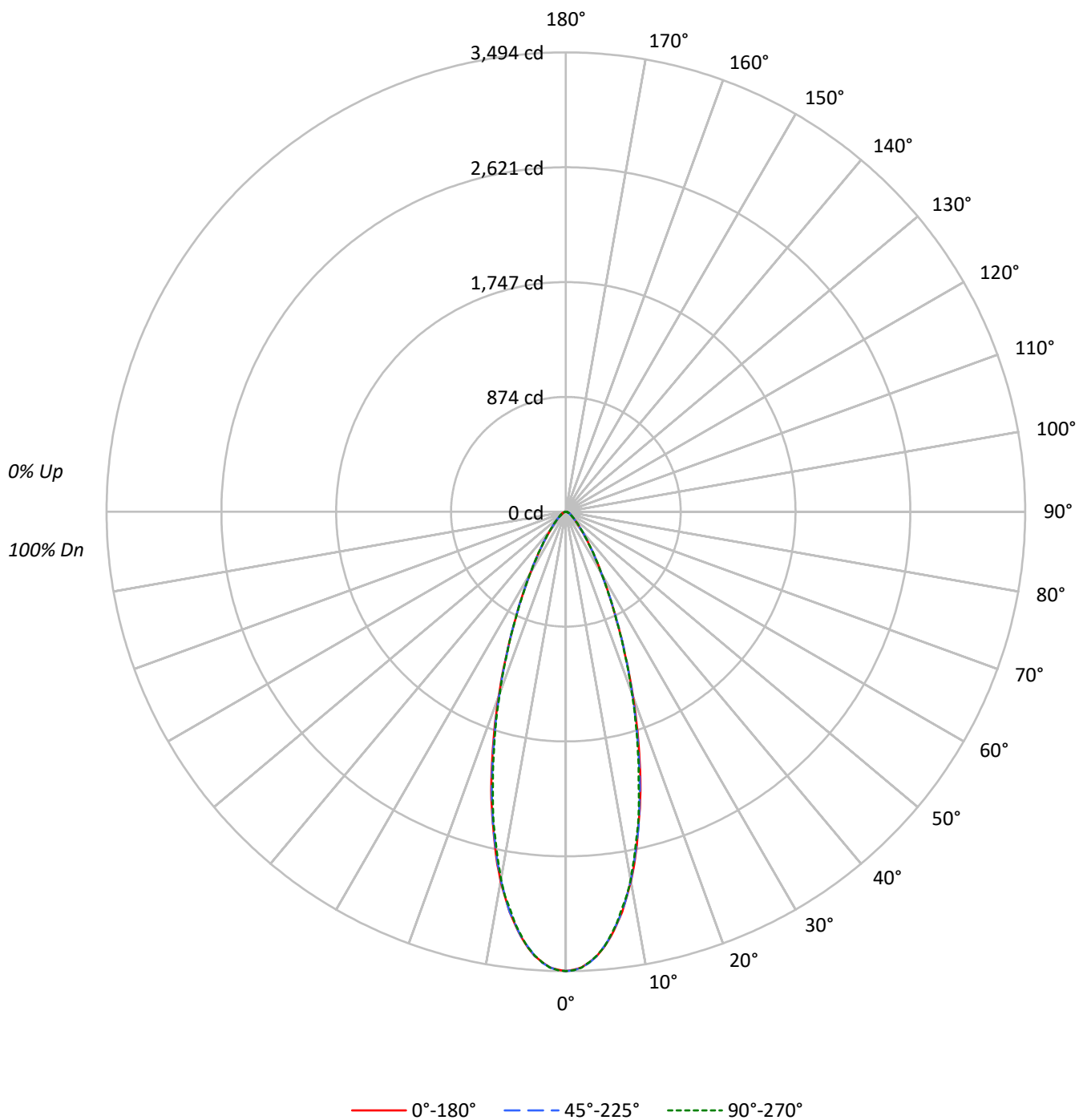
Lumens per Lamp: N/A
Luminaire Lumens: 1723.0 lumens
Efficiency: N/A
Efficacy: 59.8 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	601694	601694	601694
5°	574949	573963	574949
10°	499141	497462	496798
15°	391114	388048	381914
20°	273612	271174	269415
25°	173779	174863	173779
30°	107069	107825	107069
35°	66227	66627	66627
40°	42064	42491	42491
45°	28375	28837	29300
50°	20470	20979	20979
55°	16064	16064	16064
60°	13158	13158	13158
65°	11655	11655	11655
70°	10574	10574	10574
75°	8917	8917	8917
80°	7538	7538	7538
85°	3754	3754	7509

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 29300 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	301.9	17.5
10°-20°	594.5	34.5
20°-30°	428.9	24.9
30°-40°	206.8	12.0
40°-50°	95.3	5.5
50°-60°	49.3	2.9
60°-70°	28.5	1.7
70°-80°	14.4	0.8
80°-90°	3.4	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°	1325.3	76.9
0°-40°	1532.1	88.9
0°-60°	1676.8	97.3
0°-90°	1723.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1723.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3494	3494	3494	3494	3494	
5°	3326	3333	3320	3322	3326	302
15°	2194	2190	2176	2167	2142	598
25°	914	916	920	920	914	429
35°	315	315	317	317	317	206
45°	116	118	118	120	120	94
55°	54	54	54	54	54	48
65°	29	29	29	29	29	28
75°	13	13	13	13	13	14
85°	2	2	2	2	4	3
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3493.7	3493.7	3493.7	3493.7	3493.7
1°	3484.2	3489.9	3488.0	3489.9	3488.0
2°	3467.0	3470.8	3467.0	3468.9	3468.9
3°	3430.7	3434.5	3434.5	3432.6	3430.7
4°	3386.8	3396.3	3386.8	3388.7	3383.0
5°	3325.7	3333.3	3320.0	3321.9	3325.7
6°	3251.3	3253.2	3249.3	3247.4	3243.6
7°	3165.3	3173.0	3159.6	3161.5	3157.7
8°	3073.7	3071.8	3071.8	3064.2	3052.7
9°	2963.0	2970.6	2959.2	2955.3	2957.2
10°	2854.2	2854.2	2844.6	2835.1	2840.8
11°	2730.1	2726.2	2720.5	2707.2	2703.3
12°	2594.5	2602.1	2585.0	2579.2	2565.9
13°	2455.1	2466.6	2459.0	2438.0	2439.9
14°	2325.3	2317.7	2312.0	2308.1	2294.8
15°	2193.6	2189.8	2176.4	2166.9	2142.0
17.5°	1832.8	1836.6	1811.8	1807.9	1798.4
20°	1492.9	1481.5	1479.6	1481.5	1470.0
22.5°	1177.9	1189.4	1176.0	1177.9	1170.3
25°	914.5	916.4	920.2	920.2	914.5
27.5°	710.2	710.2	706.4	710.2	704.5
30°	538.4	538.4	542.2	546.0	538.4
32.5°	416.2	416.2	416.2	418.1	420.0
35°	315.0	315.0	316.9	316.9	316.9
37.5°	242.5	244.4	246.3	246.3	246.3
40°	187.1	189.0	189.0	190.9	189.0
42.5°	148.9	148.9	148.9	150.8	150.8
45°	116.5	118.4	118.4	120.3	120.3
47.5°	95.5	95.5	95.5	97.4	97.4
50°	76.4	78.3	78.3	78.3	78.3
52.5°	63.0	63.0	64.9	64.9	64.9
55°	53.5	53.5	53.5	53.5	53.5
57.5°	43.9	45.8	45.8	45.8	45.8
60°	38.2	38.2	38.2	38.2	38.2
62.5°	32.5	32.5	32.5	32.5	32.5
65°	28.6	28.6	28.6	28.6	28.6
67.5°	22.9	24.8	24.8	24.8	24.8
70°	21.0	21.0	21.0	21.0	21.0
72.5°	15.3	17.2	17.2	17.2	17.2
75°	13.4	13.4	13.4	13.4	13.4
77.5°	11.5	9.5	9.5	9.5	11.5
80°	7.6	7.6	7.6	7.6	7.6
82.5°	5.7	5.7	5.7	5.7	5.7
85°	1.9	1.9	1.9	1.9	3.8
87.5°	0.0	0.0	0.0	1.9	1.9



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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)