

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: P1309600

Luminaire Tested: P3SQAS24R359035D010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309600
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: P3SQAS24R359035D010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

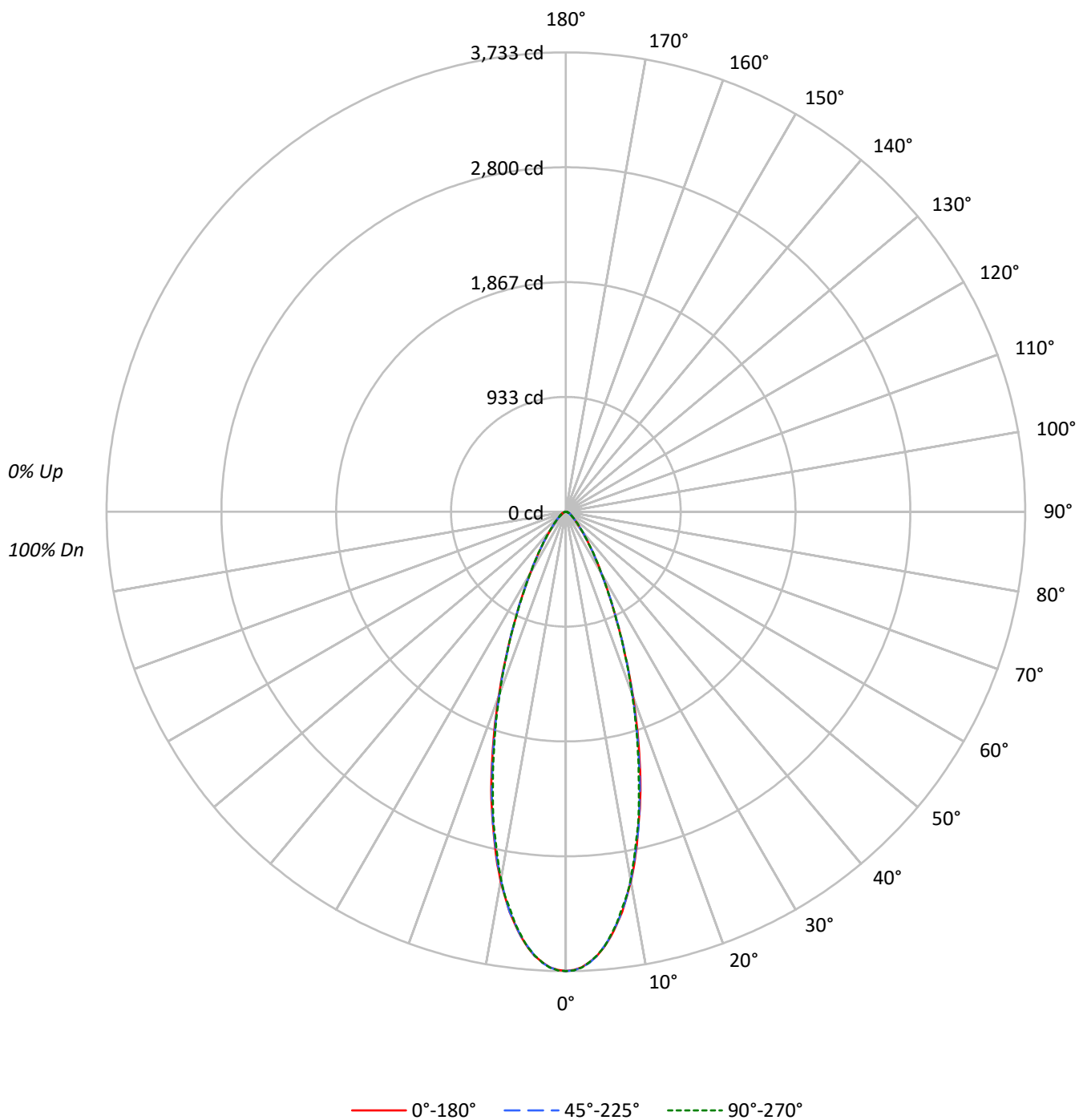
Lumens per Lamp: N/A
Luminaire Lumens: 1841.0 lumens
Efficiency: N/A
Efficacy: 63.9 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	642907	642907	642907
5°	614331	613276	614331
10°	533312	531529	530812
15°	417895	414632	408071
20°	292361	289740	287871
25°	185675	186834	185675
30°	114387	115203	114387
35°	70768	71189	71189
40°	44942	45391	45391
45°	30299	30810	31297
50°	21863	22399	22399
55°	17145	17145	17145
60°	14053	14053	14053
65°	12470	12470	12470
70°	11279	11279	11279
75°	9515	9515	9515
80°	8133	8133	8133
85°	3952	3952	8102

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 31297 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	322.6	17.5
10°-20°	635.2	34.5
20°-30°	458.3	24.9
30°-40°	220.9	12.0
40°-50°	101.8	5.5
50°-60°	52.7	2.9
60°-70°	30.4	1.7
70°-80°	15.4	0.8
80°-90°	3.6	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°	1416.1	76.9
0°-40°	1637.0	88.9
0°-60°	1791.5	97.3
0°-90°	1841.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1841.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3733	3733	3733	3733	3733	
5°	3554	3562	3547	3549	3554	323
15°	2344	2340	2326	2315	2289	639
25°	977	979	983	983	977	458
35°	337	337	339	339	339	220
45°	124	126	126	128	128	101
55°	57	57	57	57	57	52
65°	31	31	31	31	31	30
75°	14	14	14	14	14	15
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°	3733.0	3733.0	3733.0	3733.0	3733.0
1°	3722.8	3728.9	3726.9	3728.9	3726.9
2°	3704.4	3708.5	3704.4	3706.5	3706.5
3°	3665.7	3669.7	3669.7	3667.7	3665.7
4°	3618.7	3628.9	3618.7	3620.8	3614.7
5°	3553.5	3561.6	3547.4	3549.4	3553.5
6°	3473.9	3476.0	3471.9	3469.8	3465.8
7°	3382.1	3390.3	3376.0	3378.0	3374.0
8°	3284.2	3282.2	3282.2	3274.0	3261.8
9°	3165.9	3174.1	3161.8	3157.7	3159.8
10°	3049.6	3049.6	3039.4	3029.2	3035.3
11°	2917.0	2912.9	2906.8	2892.6	2888.5
12°	2772.2	2780.4	2762.0	2755.9	2741.6
13°	2623.3	2635.5	2627.4	2604.9	2607.0
14°	2484.6	2476.4	2470.3	2466.2	2451.9
15°	2343.8	2339.7	2325.5	2315.3	2288.7
17.5°	1958.3	1962.4	1935.8	1931.8	1921.6
20°	1595.2	1582.9	1580.9	1582.9	1570.7
22.5°	1258.6	1270.8	1256.6	1258.6	1250.4
25°	977.1	979.1	983.2	983.2	977.1
27.5°	758.8	758.8	754.8	758.8	752.7
30°	575.2	575.2	579.3	583.4	575.2
32.5°	444.7	444.7	444.7	446.7	448.8
35°	336.6	336.6	338.6	338.6	338.6
37.5°	259.1	261.1	263.1	263.1	263.1
40°	199.9	201.9	201.9	204.0	201.9
42.5°	159.1	159.1	159.1	161.2	161.2
45°	124.4	126.5	126.5	128.5	128.5
47.5°	102.0	102.0	102.0	104.0	104.0
50°	81.6	83.6	83.6	83.6	83.6
52.5°	67.3	67.3	69.4	69.4	69.4
55°	57.1	57.1	57.1	57.1	57.1
57.5°	46.9	49.0	49.0	49.0	49.0
60°	40.8	40.8	40.8	40.8	40.8
62.5°	34.7	34.7	34.7	34.7	34.7
65°	30.6	30.6	30.6	30.6	30.6
67.5°	24.5	26.5	26.5	26.5	26.5
70°	22.4	22.4	22.4	22.4	22.4
72.5°	16.3	18.4	18.4	18.4	18.4
75°	14.3	14.3	14.3	14.3	14.3
77.5°	12.2	10.2	10.2	10.2	12.2
80°	8.2	8.2	8.2	8.2	8.2
82.5°	6.1	6.1	6.1	6.1	6.1
85°	2.0	2.0	2.0	2.0	4.1
87.5°	0.0	0.0	0.0	2.0	2.0



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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)