

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: P1309565

Luminaire Tested: P3SQAS24R259035D010 E3SQPHL1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309565
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: P3SQAS24R259035D010 E3SQPHL1MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 90CRI , E3SQPHL1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

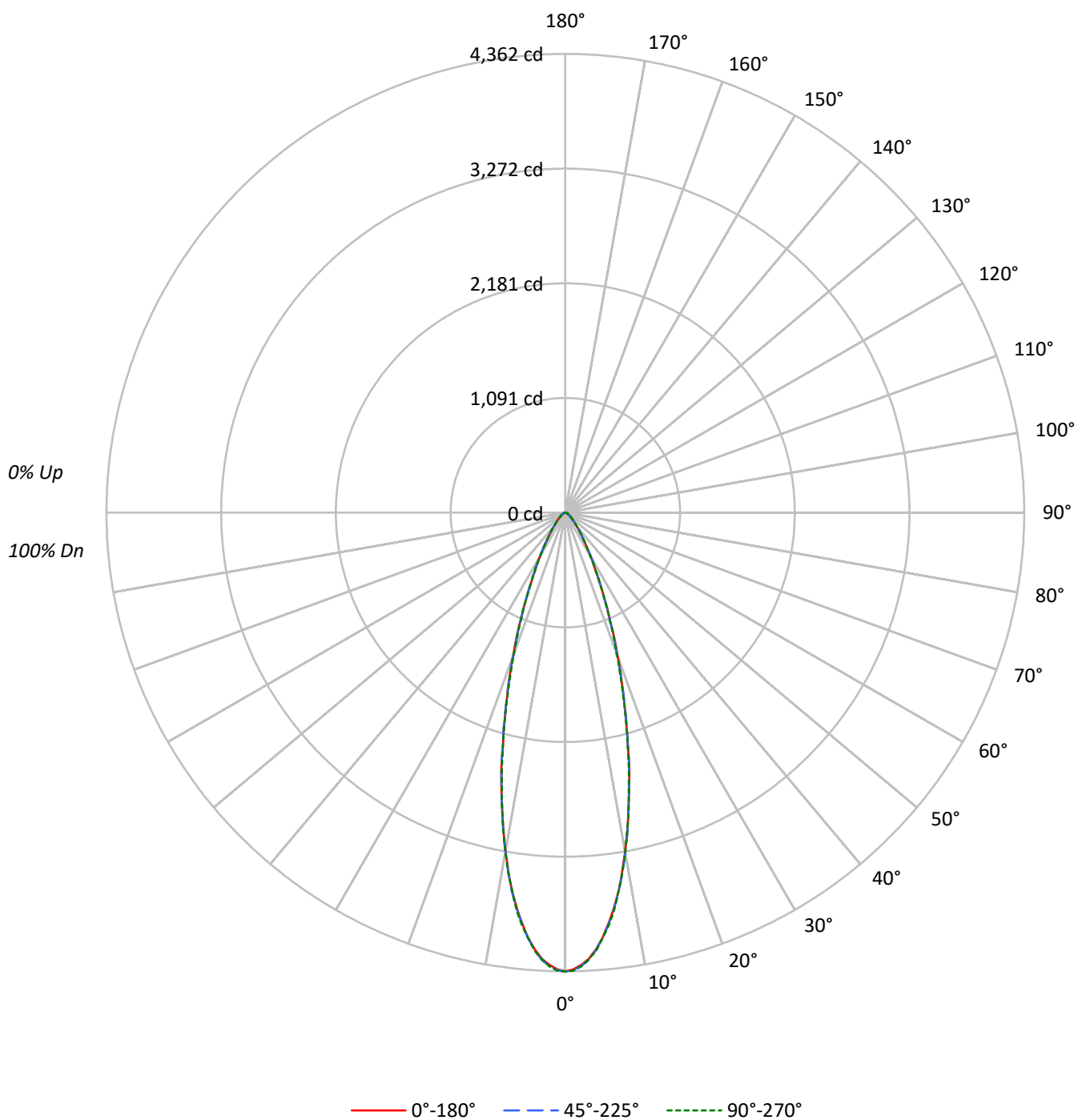
Lumens per Lamp: N/A
Luminaire Lumens: 1747.9 lumens
Efficiency: N/A
Efficacy: 60.7 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1309565

CATALOG NUMBER: P3SQAS24R259035D010 E3SQPHL1MMS

Luminous Intensity Polar Plot





TEST NUMBER: P1309565

CATALOG NUMBER: P3SQAS24R259035D010 E3SQPHL1MMS

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	73		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°	751321	751321	751321
5°	701290	701981	702344
10°	572013	573797	573797
15°	408570	410745	408570
20°	267381	264778	261039
25°	158976	159755	158976
30°	95774	95774	95356
35°	58343	58763	58343
40°	37163	37613	37613
45°	25842	25842	25842
50°	18594	19130	19130
55°	14713	14713	15313
60°	11952	12641	12641
65°	10799	10799	10799
70°	9265	9265	10272
75°	8118	8118	9515
80°	8133	8133	8133
85°	3952	3952	3952

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 25842 cd/sqm

TEST NUMBER: P1309565

CATALOG NUMBER: P3SQAS24R259035D010 E3SQPHL1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	362.5	20.7
10°-20°	631.9	36.2
20°-30°	397.3	22.7
30°-40°	181.7	10.4
40°-50°	84.9	4.9
50°-60°	45.6	2.6
60°-70°	26.9	1.5
70°-80°	14.0	0.8
80°-90°	3.1	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°	1391.7	79.6
0°-40°	1573.4	90.0
0°-60°	1703.9	97.5
0°-90°	1747.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1747.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4362	4362	4362	4362	4362	
5°	4056	4065	4060	4065	4063	362
15°	2292	2306	2304	2308	2292	632
25°	837	847	841	841	837	398
35°	278	278	280	280	278	181
45°	106	106	106	106	106	84
55°	49	49	49	51	51	45
65°	26	26	26	26	26	26
75°	12	12	12	14	14	14
85°	2	2	2	2	2	3
90°	0	0	0	0	0	

TEST NUMBER: P1309565

CATALOG NUMBER: P3SQAS24R259035D010 E3SQPHL1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4362.5	4362.5	4362.5	4362.5	4362.5
1°	4344.2	4348.2	4352.3	4358.4	4356.4
2°	4303.4	4311.5	4313.6	4321.7	4319.7
3°	4248.3	4246.2	4262.5	4262.5	4252.3
4°	4162.6	4166.6	4170.7	4174.8	4176.8
5°	4056.5	4064.6	4060.5	4064.6	4062.6
6°	3925.9	3938.1	3936.1	3940.2	3946.3
7°	3787.1	3795.3	3795.3	3791.2	3807.5
8°	3636.1	3630.0	3640.2	3636.1	3634.1
9°	3456.6	3468.8	3470.8	3460.6	3464.7
10°	3270.9	3279.0	3281.1	3287.2	3281.1
11°	3087.2	3087.2	3091.3	3101.5	3085.2
12°	2887.3	2905.6	2887.3	2895.4	2887.3
13°	2697.5	2701.6	2697.5	2695.5	2681.2
14°	2517.9	2503.7	2507.7	2491.4	2493.5
15°	2291.5	2305.7	2303.7	2307.8	2291.5
17.5°	1842.5	1850.7	1848.7	1844.6	1824.2
20°	1458.9	1458.9	1444.7	1436.5	1424.3
22.5°	1114.1	1110.0	1103.9	1097.8	1101.9
25°	836.6	846.8	840.7	840.7	836.6
27.5°	632.5	644.8	634.6	628.5	632.5
30°	481.6	485.6	481.6	479.5	479.5
32.5°	363.2	365.2	363.2	363.2	363.2
35°	277.5	277.5	279.5	279.5	277.5
37.5°	214.2	214.2	214.2	214.2	216.3
40°	165.3	167.3	167.3	167.3	167.3
42.5°	130.6	132.6	132.6	132.6	132.6
45°	106.1	106.1	106.1	106.1	106.1
47.5°	85.7	85.7	85.7	85.7	87.7
50°	69.4	71.4	71.4	71.4	71.4
52.5°	59.2	59.2	59.2	59.2	59.2
55°	49.0	49.0	49.0	51.0	51.0
57.5°	40.8	40.8	42.8	42.8	42.8
60°	34.7	36.7	36.7	36.7	36.7
62.5°	30.6	30.6	32.6	32.6	32.6
65°	26.5	26.5	26.5	26.5	26.5
67.5°	22.4	22.4	22.4	22.4	24.5
70°	18.4	18.4	18.4	20.4	20.4
72.5°	16.3	16.3	16.3	16.3	16.3
75°	12.2	12.2	12.2	14.3	14.3
77.5°	10.2	10.2	10.2	10.2	10.2
80°	8.2	8.2	8.2	8.2	8.2
82.5°	4.1	4.1	6.1	6.1	6.1
85°	2.0	2.0	2.0	2.0	2.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1309565

CATALOG NUMBER: P3SQAS24R259035D010 E3SQPHL1MMS

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)