

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: P1308770

Luminaire Tested: P3SQAS05R209035DE010 E3SQPH1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308770
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R209035DE010 E3SQPH1MB
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 90CRI , E3SQPH1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

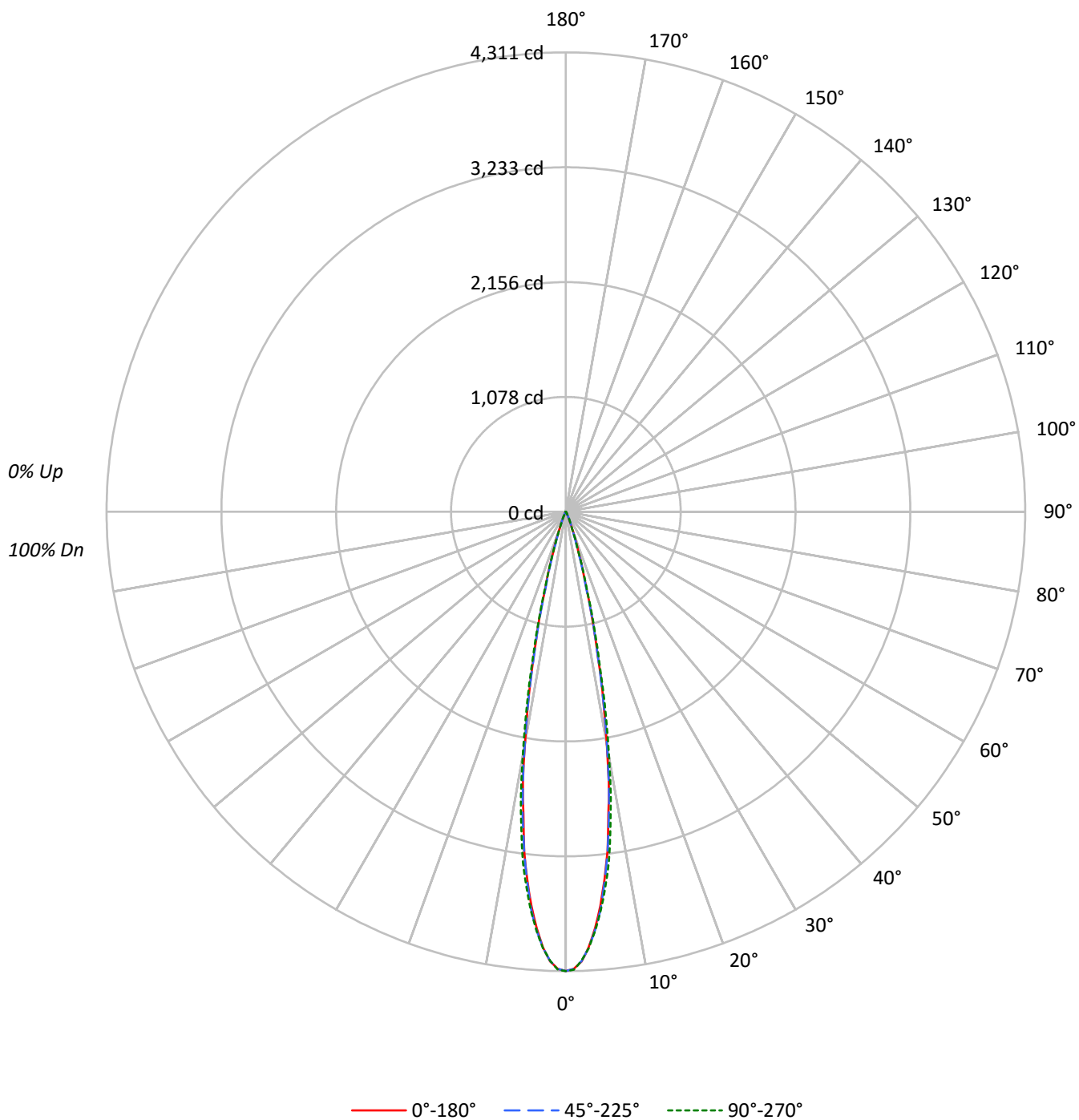
Lumens per Lamp: N/A
Luminaire Lumens: 579.0 lumens
Efficiency: N/A
Efficacy: 80.4 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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: P1308770

CATALOG NUMBER: P3SQAS05R209035DE010 E3SQPH1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1308770

CATALOG NUMBER: P3SQAS05R209035DE010 E3SQPH1MB

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	95	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	92	92	91
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	90	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	88	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	87	87	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85	85	85
10	95	90	87	85	95	90	87	85	89	86	84	88	86	84	88	86	84	84	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	742417	742417	742417
5°	641369	647334	649754
10°	386099	389701	409096
15°	133545	130425	140802
20°	35079	32990	33081
25°	7639	9216	10489
30°	3281	3281	3381
35°	1850	1619	1745
40°	809	922	1034
45°	244	365	365
50°	134	134	134
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 365 cd/sqm

TEST NUMBER: P1308770

CATALOG NUMBER: P3SQAS05R209035DE010 E3SQPH1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	308.3	53.3
10°-20°	234.7	40.5
20°-30°	29.0	5.0
30°-40°	5.5	0.9
40°-50°	1.3	0.2
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	572.1	98.8
0°-40°	577.6	99.8
0°-60°	579.0	100.0
0°-90°	579.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	579.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4311	4311	4311	4311	4311	
5°	3710	3707	3744	3742	3758	306
15°	749	722	732	775	790	235
25°	40	46	48	51	55	28
35°	9	9	8	8	8	6
45°	1	2	2	2	2	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1308770

CATALOG NUMBER: P3SQAS05R209035DE010 E3SQPH1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4310.8	4310.8	4310.8	4310.8	4310.8
1°	4290.7	4285.5	4289.7	4280.9	4299.0
2°	4222.1	4216.9	4216.9	4211.8	4214.4
3°	4094.2	4102.4	4097.3	4086.4	4100.4
4°	3919.8	3929.1	3937.4	3937.9	3939.9
5°	3709.9	3707.3	3744.4	3741.9	3758.4
6°	3470.5	3467.4	3483.4	3510.3	3543.3
7°	3207.5	3169.8	3212.6	3266.8	3311.1
8°	2867.0	2876.8	2906.2	2970.2	3005.8
9°	2578.1	2520.9	2583.3	2659.6	2698.3
10°	2207.8	2161.3	2228.4	2308.9	2339.3
12.5°	1389.7	1349.4	1371.1	1455.7	1469.1
15°	749.0	722.2	731.5	775.3	789.7
17.5°	382.2	358.0	352.8	380.7	383.8
20°	191.4	185.7	180.0	182.6	180.5
22.5°	88.7	96.5	95.4	90.3	96.5
25°	40.2	45.9	48.5	50.6	55.2
27.5°	24.8	23.7	27.3	29.4	29.9
30°	16.5	16.0	16.5	17.0	17.0
32.5°	11.9	11.3	10.8	10.8	11.3
35°	8.8	8.8	7.7	8.3	8.3
37.5°	6.2	6.2	5.7	6.2	6.2
40°	3.6	4.1	4.1	4.1	4.6
42.5°	2.1	2.6	2.6	2.6	2.6
45°	1.0	1.5	1.5	1.5	1.5
47.5°	0.5	0.5	0.5	1.0	1.0
50°	0.5	0.5	0.5	0.5	0.5
52.5°	0.5	0.0	0.0	0.0	0.5
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)