

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: P1309543

Luminaire Tested: P3SQAS24R209035D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309543
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R209035D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

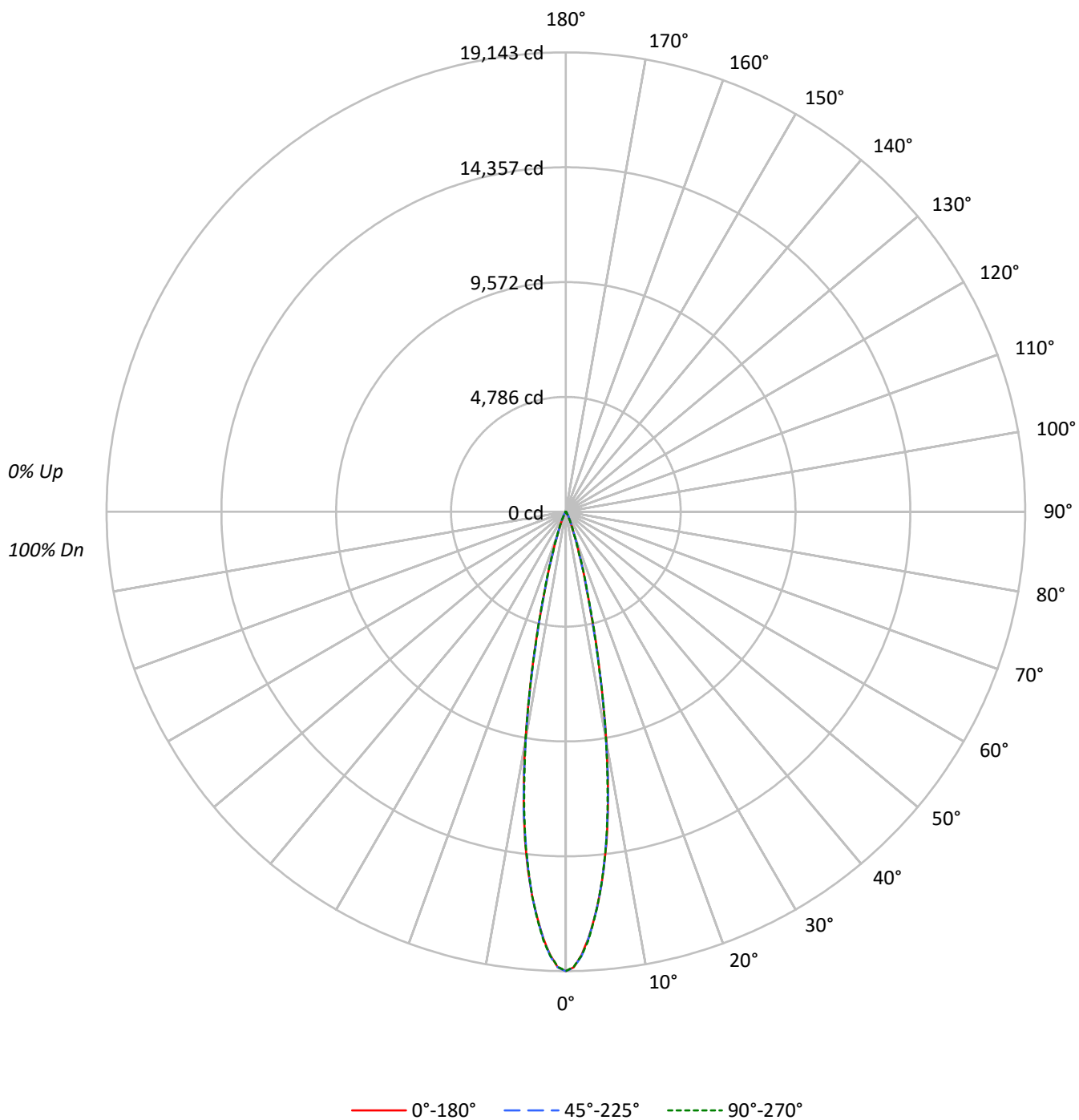
Lumens per Lamp: N/A
Luminaire Lumens: 2637.9 lumens
Efficiency: N/A
Efficacy: 91.6 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1309543

CATALOG NUMBER: P3SQAS24R209035D010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1309543

CATALOG NUMBER: P3SQAS24R209035D010 E3SQCD1MW

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	100	100	100
1	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	98	98	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	95	95	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	93	93	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	91	91	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	89	89	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	87	87	87
7	100	94	90	88	99	94	90	88	92	90	87	91	89	87	91	88	87	86	86	86
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	84	84	84
9	96	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	83	83	83	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	81	81	81

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3296841	3296841	3296841
5°	2778743	2779797	2778380
10°	1693305	1685453	1689370
15°	596460	598992	617553
20°	187418	192641	188536
25°	70196	76790	72134
30°	27185	38560	28418
35°	10302	17156	11164
40°	5508	7352	5508
45°	1997	3483	2484
50°	1099	1634	1099
55°	1231	1231	1231
60°	689	689	689
65°	815	815	815
70°	1007	1007	1007
75°	0	0	1331
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3483 cd/sqm

TEST NUMBER: P1309543

CATALOG NUMBER: P3SQAS24R209035D010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1328.9	50.4
10°-20°	1042.0	39.5
20°-30°	204.6	7.8
30°-40°	45.9	1.7
40°-50°	10.4	0.4
50°-60°	3.3	0.1
60°-70°	2.0	0.1
70°-80°	0.8	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°	2575.4	97.6
0°-40°	2621.4	99.4
0°-60°	2635.1	99.9
0°-90°	2637.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2637.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19143	19143	19143	19143	19143	
5°	16073	16087	16079	16134	16071	1331
15°	3345	3360	3360	3433	3464	1040
25°	369	394	404	398	380	195
35°	49	59	82	59	53	36
45°	8	12	14	12	10	8
55°	4	4	4	4	4	3
65°	2	2	2	2	2	2
75°	0	0	0	0	2	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1309543

CATALOG NUMBER: P3SQAS24R209035D010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	19142.9	19142.9	19142.9	19142.9	19142.9
1°	18987.7	18946.9	18993.9	18957.1	18965.3
2°	18495.9	18473.4	18534.6	18495.9	18516.3
3°	17812.1	17783.5	17828.4	17830.5	17887.6
4°	16995.7	16940.6	17007.9	17010.0	17020.2
5°	16073.2	16087.4	16079.3	16134.4	16071.1
6°	15036.3	15083.2	15022.0	15052.6	14964.9
7°	13877.0	13817.8	13787.2	13797.4	13858.6
8°	12597.3	12556.4	12601.4	12538.1	12495.2
9°	11174.7	11103.2	11152.2	11091.0	11029.8
10°	9682.7	9650.0	9637.8	9568.4	9660.2
11°	8186.6	8088.6	8137.6	8102.9	8202.9
12°	6786.4	6794.6	6698.7	6729.3	6741.5
13°	5523.0	5392.4	5408.7	5492.4	5506.7
14°	4284.1	4302.5	4308.6	4367.8	4402.5
15°	3345.3	3359.5	3359.5	3433.0	3463.6
17.5°	1794.1	1794.1	1832.8	1841.0	1845.1
20°	1022.6	1028.7	1051.1	1049.1	1028.7
22.5°	612.3	624.6	636.8	624.6	612.3
25°	369.4	393.9	404.1	398.0	379.6
27.5°	220.4	247.0	275.5	253.1	218.4
30°	136.7	151.0	193.9	155.1	142.9
32.5°	75.5	98.0	132.7	102.1	77.6
35°	49.0	59.2	81.6	59.2	53.1
37.5°	34.7	40.8	51.0	42.9	36.7
40°	24.5	28.6	32.7	30.6	24.5
42.5°	16.3	20.4	22.5	20.4	16.3
45°	8.2	12.2	14.3	12.2	10.2
47.5°	4.1	6.1	10.2	6.1	4.1
50°	4.1	4.1	6.1	4.1	4.1
52.5°	4.1	4.1	4.1	4.1	4.1
55°	4.1	4.1	4.1	4.1	4.1
57.5°	4.1	4.1	2.0	4.1	2.0
60°	2.0	2.0	2.0	2.0	2.0
62.5°	2.0	2.0	2.0	2.0	2.0
65°	2.0	2.0	2.0	2.0	2.0
67.5°	2.0	2.0	2.0	2.0	2.0
70°	2.0	2.0	2.0	2.0	2.0
72.5°	2.0	2.0	2.0	2.0	2.0
75°	0.0	0.0	0.0	0.0	2.0
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



TEST NUMBER: P1309543

CATALOG NUMBER: P3SQAS24R209035D010 E3SQCD1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)