

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: P1311626

Luminaire Tested: P3SQAS20R309050D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311626
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R309050D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

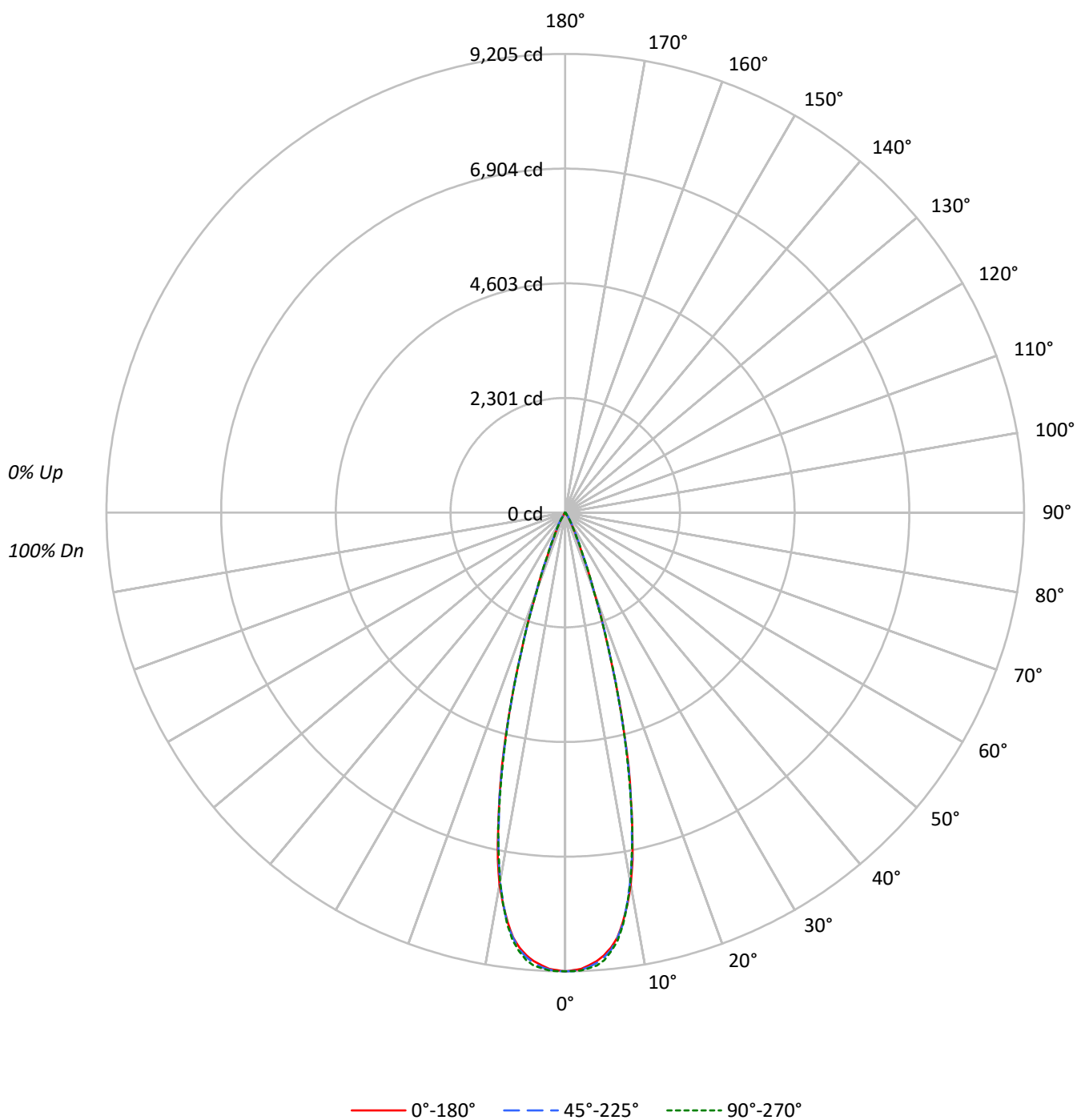
Lumens per Lamp: N/A
Luminaire Lumens: 2393.9 lumens
Efficiency: N/A
Efficacy: 83.1 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1311626

CATALOG NUMBER: P3SQAS20R309050D010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1311626

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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	115	113	111	109	113	111	109	108	107	106	104		103	102	101		100
2	111	108	105	102	109	106	104	101	103	101	99		100	99	97		98
3	108	103	100	97	106	102	99	96	100	97	95		97	95	93		95
4	105	99	96	93	103	98	95	92	96	93	91		95	92	90		93
5	102	96	92	89	100	95	91	89	94	90	88		92	89	87		91
6	99	93	89	86	98	92	88	85	91	87	85		90	87	84		88
7	96	90	86	83	95	89	85	83	88	85	82		87	84	82		86
8	94	87	83	80	93	87	83	80	86	82	80		85	82	80		84
9	91	85	81	78	90	84	80	78	83	80	78		83	80	77		82
10	89	82	78	76	88	82	78	76	81	78	76		81	78	75		80

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1585292	1585292	1585292
5°	1541852	1548560	1558137
10°	1325849	1314534	1315828
15°	814679	808100	808760
20°	310066	310725	304970
25°	98624	103888	98966
30°	39674	49219	40767
35°	12804	21739	12804
40°	5823	9555	5823
45°	2241	4043	2241
50°	991	1983	991
55°	1111	1111	1111
60°	1274	1274	1274
65°	734	734	734
70°	906	906	906
75°	1198	1198	1198
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 4043 cd/sqm

TEST NUMBER: P1311626

CATALOG NUMBER: P3SQAS20R309050D010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	812.0	33.9
10°-20°	1204.5	50.3
20°-30°	299.3	12.5
30°-40°	59.7	2.5
40°-50°	10.9	0.5
50°-60°	3.4	0.1
60°-70°	2.5	0.1
70°-80°	1.7	0.1
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°	2315.8	96.7
0°-40°	2375.5	99.2
0°-60°	2389.8	99.8
0°-90°	2393.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2393.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9205	9205	9205	9205	9205	
5°	8919	8948	8957	8970	9013	811
15°	4569	4578	4532	4547	4536	1209
25°	519	530	547	539	521	291
35°	61	79	103	78	61	49
45°	9	11	17	13	9	8
55°	4	4	4	4	4	3
65°	2	2	2	2	2	2
75°	2	2	2	2	2	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1311626

CATALOG NUMBER: P3SQAS20R309050D010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9204.9	9204.9	9204.9	9204.9	9204.9
1°	9184.6	9195.7	9203.0	9203.0	9203.0
2°	9158.7	9166.1	9177.2	9179.0	9193.8
3°	9097.8	9114.4	9132.9	9143.9	9151.3
4°	9023.9	9046.1	9057.1	9084.8	9108.9
5°	8918.6	8948.2	8957.4	8970.3	9012.8
6°	8776.4	8798.6	8817.1	8822.6	8848.4
7°	8588.0	8599.1	8595.4	8604.7	8650.8
8°	8301.8	8305.5	8336.9	8316.5	8347.9
9°	7961.9	7947.2	7939.8	7954.6	7956.4
10°	7581.5	7531.6	7516.8	7503.9	7524.2
11°	7088.4	7023.7	7029.3	7025.6	6996.0
12°	6475.2	6467.8	6419.8	6429.0	6473.3
13°	5849.1	5862.0	5852.8	5863.9	5814.0
14°	5261.8	5199.0	5215.6	5152.8	5176.8
15°	4569.2	4578.4	4532.3	4547.0	4536.0
17.5°	2925.5	2945.8	2931.0	2918.1	2938.4
20°	1691.8	1689.9	1695.4	1678.8	1664.0
22.5°	890.2	903.1	919.8	921.6	932.7
25°	519.0	530.1	546.7	539.3	520.8
27.5°	317.7	338.0	363.8	345.4	323.2
30°	199.5	216.1	247.5	217.9	205.0
32.5°	112.7	136.7	162.5	136.7	112.7
35°	60.9	79.4	103.4	77.6	60.9
37.5°	40.6	46.2	68.3	46.2	40.6
40°	25.9	31.4	42.5	31.4	25.9
42.5°	14.8	20.3	24.0	20.3	14.8
45°	9.2	11.1	16.6	12.9	9.2
47.5°	3.7	5.5	11.1	5.5	5.5
50°	3.7	3.7	7.4	3.7	3.7
52.5°	3.7	3.7	3.7	3.7	3.7
55°	3.7	3.7	3.7	3.7	3.7
57.5°	3.7	3.7	3.7	3.7	3.7
60°	3.7	3.7	3.7	3.7	3.7
62.5°	3.7	3.7	3.7	3.7	3.7
65°	1.8	1.8	1.8	1.8	1.8
67.5°	1.8	1.8	1.8	1.8	1.8
70°	1.8	1.8	1.8	1.8	1.8
72.5°	1.8	1.8	1.8	1.8	1.8
75°	1.8	1.8	1.8	1.8	1.8
77.5°	1.8	1.8	1.8	1.8	1.8
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: P1311626
CATALOG NUMBER: P3SQAS20R309050D010 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)