

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: P1306206

Luminaire Tested: P3SQASS20R259024D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306206
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-35)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQASS20R259024D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2400K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

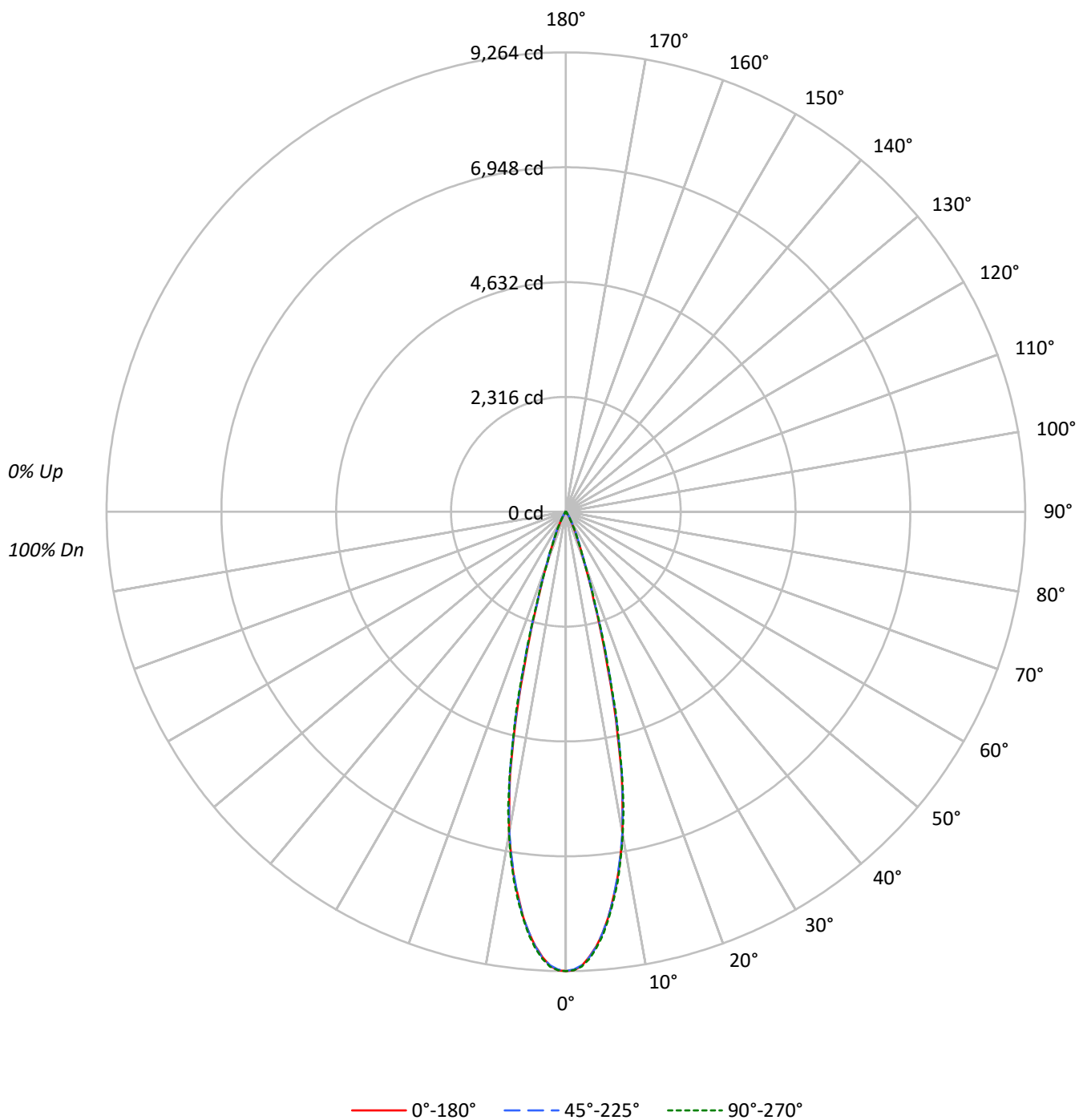
Lumens per Lamp: N/A
Luminaire Lumens: 1957.0 lumens
Efficiency: N/A
Efficacy: 68.0 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1306206

CATALOG NUMBER: P3SQASS20R259024D010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1306206

CATALOG NUMBER: P3SQASS20R259024D010 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	99	99
1	115	113	111	110	113	111	109	108	107	106	105	103	102	102	100	99	99	97	97	97
2	112	108	105	103	110	107	104	102	103	101	100	101	99	97	98	97	95	94	94	94
3	108	104	100	98	107	103	99	97	100	98	95	98	96	94	96	94	93	91	91	91
4	105	100	96	93	104	99	96	93	97	94	92	95	93	91	94	92	90	89	89	89
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	91	89	87	86	86	86
6	100	94	90	87	98	93	89	87	92	88	86	90	88	86	89	87	85	84	84	84
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	82	82	82
8	95	88	84	82	94	88	84	82	87	84	81	86	83	81	85	83	81	80	80	80
9	92	86	82	80	91	86	82	79	85	82	79	84	81	79	83	81	79	78	78	78
10	90	84	80	78	89	84	80	77	83	80	77	82	79	77	82	79	77	76	76	76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1595419	1595419	1595419
5°	1473633	1473115	1481361
10°	1151127	1147996	1155813
15°	579112	603307	602772
20°	198157	203619	200338
25°	79621	89541	83023
30°	32316	38560	31441
35°	9398	16925	9398
40°	4362	7374	4362
45°	1461	2898	1461
50°	804	1206	804
55°	901	901	901
60°	1033	1033	1033
65°	611	611	611
70°	755	755	755
75°	998	998	998
80°	0	1488	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2898 cd/sqm

TEST NUMBER: P1306206

CATALOG NUMBER: P3SQASS20R259024D010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	751.5	38.4
10°-20°	919.9	47.0
20°-30°	224.7	11.5
30°-40°	46.5	2.4
40°-50°	8.1	0.4
50°-60°	2.7	0.1
60°-70°	2.1	0.1
70°-80°	1.4	0.1
80°-90°	0.1	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°	1896.1	96.9
0°-40°	1942.6	99.3
0°-60°	1953.4	99.8
0°-90°	1957.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1957.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9264	9264	9264	9264	9264	
5°	8524	8532	8521	8539	8569	751
15°	3248	3303	3384	3399	3381	907
25°	419	438	471	444	437	214
35°	45	63	80	61	45	38
45°	6	9	12	9	6	6
55°	3	3	3	3	3	3
65°	2	3	2	2	2	2
75°	2	2	2	2	2	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1306206

CATALOG NUMBER: P3SQASS20R259024D010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9263.7	9263.7	9263.7	9263.7	9263.7
1°	9245.8	9233.8	9230.9	9232.4	9247.3
2°	9162.3	9154.8	9153.3	9157.8	9178.7
3°	8992.3	9001.2	9004.2	9019.1	9029.5
4°	8783.5	8801.4	8793.9	8811.8	8823.8
5°	8524.0	8531.5	8521.0	8538.9	8568.7
6°	8221.3	8194.4	8219.8	8227.2	8248.1
7°	7844.0	7850.0	7858.9	7867.9	7899.2
8°	7472.7	7454.8	7450.3	7492.1	7517.4
9°	7038.7	7041.7	7025.3	7073.0	7080.5
10°	6582.4	6545.1	6564.5	6601.8	6609.2
11°	5979.9	5969.5	5997.8	6056.0	6102.2
12°	5414.7	5420.7	5450.5	5469.9	5459.5
13°	4667.6	4712.4	4749.6	4769.0	4743.7
14°	3992.1	3992.1	4039.8	4047.3	4138.2
15°	3248.0	3303.1	3383.7	3398.6	3380.7
17.5°	1876.0	1883.5	1922.2	1920.7	1949.1
20°	1081.2	1091.6	1111.0	1106.5	1093.1
22.5°	650.2	672.6	718.8	681.5	671.1
25°	419.0	438.4	471.2	444.4	436.9
27.5°	262.5	275.9	301.2	277.4	265.4
30°	162.5	170.0	193.9	171.5	158.1
32.5°	88.0	107.4	126.8	107.4	88.0
35°	44.7	62.6	80.5	61.1	44.7
37.5°	29.8	35.8	52.2	34.3	29.8
40°	19.4	23.9	32.8	23.9	19.4
42.5°	10.4	14.9	17.9	16.4	10.4
45°	6.0	8.9	11.9	8.9	6.0
47.5°	4.5	4.5	7.5	4.5	3.0
50°	3.0	3.0	4.5	3.0	3.0
52.5°	3.0	3.0	3.0	3.0	3.0
55°	3.0	3.0	3.0	3.0	3.0
57.5°	3.0	3.0	3.0	3.0	3.0
60°	3.0	3.0	3.0	3.0	3.0
62.5°	3.0	3.0	3.0	3.0	3.0
65°	1.5	3.0	1.5	1.5	1.5
67.5°	1.5	1.5	1.5	1.5	1.5
70°	1.5	1.5	1.5	1.5	1.5
72.5°	1.5	1.5	1.5	1.5	1.5
75°	1.5	1.5	1.5	1.5	1.5
77.5°	1.5	1.5	1.5	1.5	1.5
80°	0.0	0.0	1.5	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: P1306206
CATALOG NUMBER: P3SQASS20R259024D010 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)