

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: P1306207

Luminaire Tested: P3SQASS20R259024D010 E3SQPH1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306207
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQASS20R259024D010 E3SQPH1MB
Description: 3in Adjustable LED luminaire with, R25 optic, 2400K CCT AND, 90CRI , E3SQPH1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

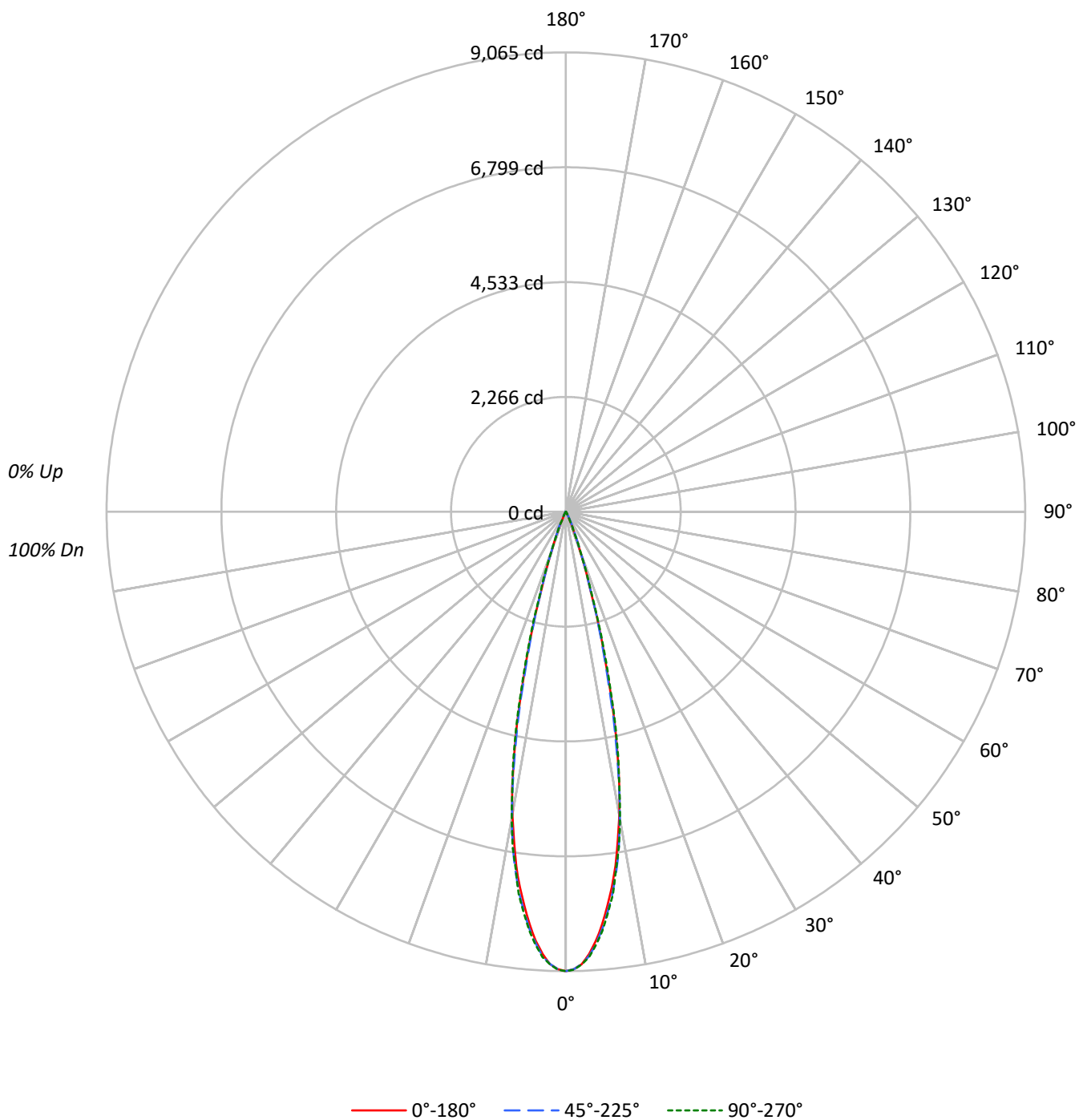
Lumens per Lamp: N/A
Luminaire Lumens: 1673.0 lumens
Efficiency: N/A
Efficacy: 58.1 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1306207

CATALOG NUMBER: P3SQASS20R259024D010 E3SQPH1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1306207

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1561233	1561233	1561233
5°	1414785	1427682	1434632
10°	1063564	1071137	1076086
15°	526621	510931	544968
20°	148728	151184	152833
25°	25787	48761	30613
30°	10082	10381	10679
35°	3133	3448	3448
40°	1012	1349	1012
45°	731	365	731
50°	402	0	402
55°	450	0	450
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: 0°

Vertical Angle: 45°

Luminance: 731 cd/sqm

TEST NUMBER: P1306207

CATALOG NUMBER: P3SQASS20R259024D010 E3SQPH1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	720.1	43.0
10°-20°	812.1	48.5
20°-30°	126.0	7.5
30°-40°	12.8	0.8
40°-50°	1.7	0.1
50°-60°	0.3	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°	1658.2	99.1
0°-40°	1671.0	99.9
0°-60°	1673.0	100.0
0°-90°	1673.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1673.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9065	9065	9065	9065	9065	
5°	8184	8198	8258	8291	8298	713
15°	2954	2933	2866	2994	3056	809
25°	136	201	257	195	161	114
35°	15	16	16	18	16	12
45°	3	2	2	2	3	2
55°	2	0	0	0	2	1
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: P1306207

CATALOG NUMBER: P3SQASS20R259024D010 E3SQPH1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9065.2	9065.2	9065.2	9065.2	9065.2
1°	9027.9	9039.8	9026.4	9041.3	9039.8
2°	8933.9	8945.8	8929.4	8938.4	8938.4
3°	8741.5	8766.8	8781.8	8792.2	8801.2
4°	8487.9	8516.2	8538.6	8565.5	8565.5
5°	8183.6	8198.5	8258.2	8291.0	8298.4
6°	7821.1	7880.8	7925.5	7991.1	7950.9
7°	7458.6	7507.8	7570.5	7580.9	7609.3
8°	7046.9	7099.1	7157.3	7146.8	7123.0
9°	6545.7	6621.7	6690.4	6668.0	6697.8
10°	6081.7	6128.0	6125.0	6102.6	6153.3
11°	5543.2	5553.7	5495.5	5586.5	5531.3
12°	4904.8	4913.7	4839.1	4928.6	4985.3
13°	4293.2	4272.3	4169.4	4287.2	4358.8
14°	3589.1	3596.5	3465.3	3693.5	3675.6
15°	2953.6	2932.7	2865.6	2993.9	3056.5
17.5°	1573.8	1587.2	1570.8	1634.9	1675.2
20°	811.5	833.9	824.9	851.8	833.9
22.5°	420.7	452.0	460.9	440.1	383.4
25°	135.7	201.4	256.6	195.4	161.1
27.5°	82.0	80.6	125.3	86.5	88.0
30°	50.7	49.2	52.2	52.2	53.7
32.5°	28.3	29.8	28.3	31.3	29.8
35°	14.9	16.4	16.4	17.9	16.4
37.5°	9.0	10.4	10.4	10.4	9.0
40°	4.5	6.0	6.0	4.5	4.5
42.5°	3.0	3.0	3.0	3.0	3.0
45°	3.0	1.5	1.5	1.5	3.0
47.5°	1.5	1.5	0.0	1.5	1.5
50°	1.5	1.5	0.0	1.5	1.5
52.5°	1.5	0.0	0.0	0.0	1.5
55°	1.5	0.0	0.0	0.0	1.5
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



TEST NUMBER: P1306207
CATALOG NUMBER: P3SQASS20R259024D010 E3SQPH1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)