

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: P1306231

Luminaire Tested: P3SQASS20R309024D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306231
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQASS20R309024D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

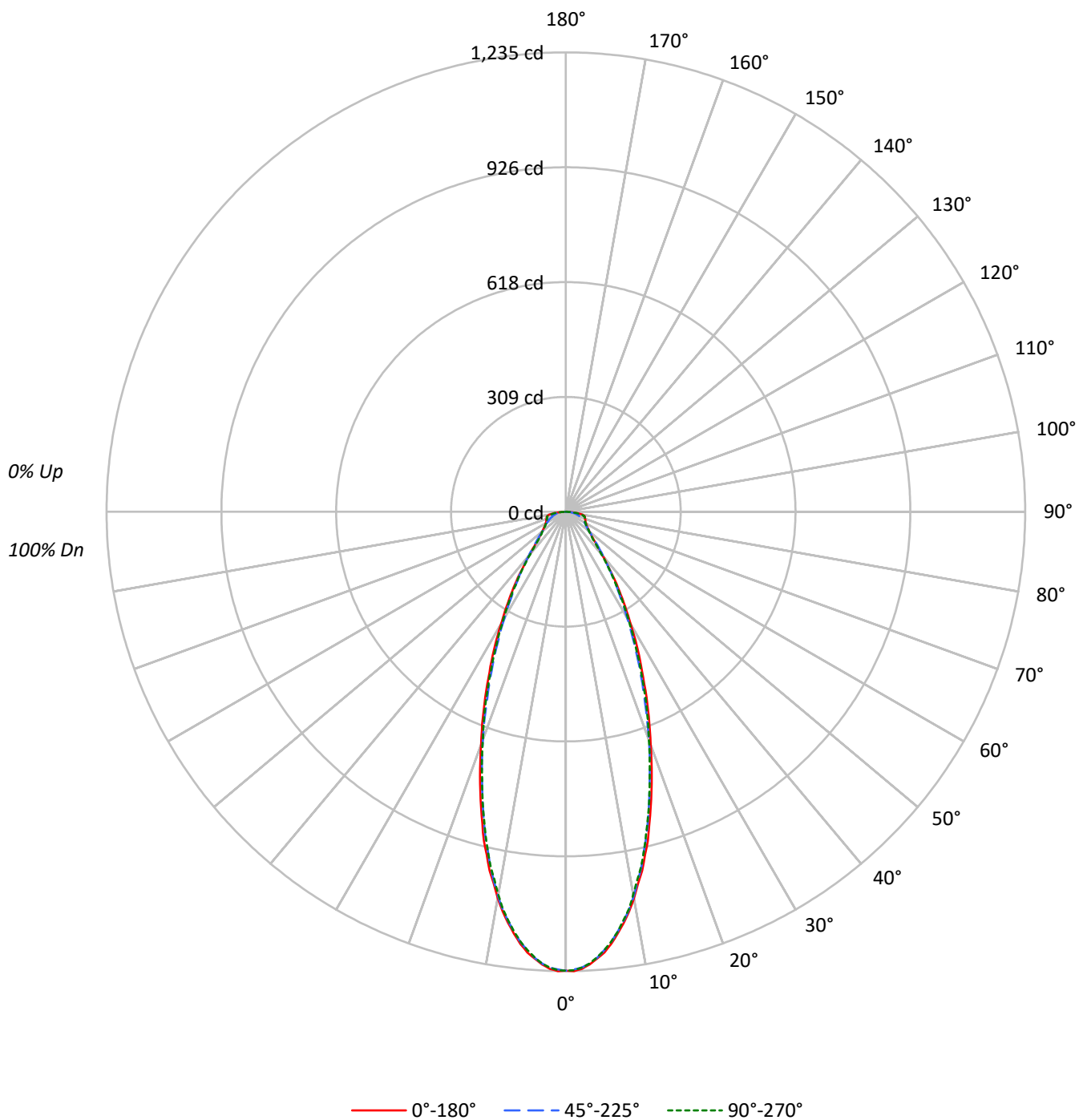
Lumens per Lamp: N/A
Luminaire Lumens: 973.0 lumens
Efficiency: N/A
Efficacy: 33.8 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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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	111	107	104	101	109	105	102	99	101	99	96		97	95	93		94
2	104	98	92	88	102	96	91	87	92	88	85		89	86	83		86
3	97	89	83	78	95	88	82	77	85	80	76		83	78	75		80
4	92	82	76	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	85	75	69	64	74	68	63		72	67	63		70
6	82	71	64	59	80	70	64	59	69	63	59		67	62	58		66
7	77	67	60	55	76	66	60	55	65	59	55		63	58	54		62
8	74	63	56	51	72	62	56	51	61	55	51		60	55	51		59
9	70	59	53	48	69	59	52	48	58	52	48		57	51	48		56
10	67	56	50	45	66	56	49	45	55	49	45		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	212506	212506	212506
5°	205589	204552	204552
10°	184498	183466	182679
15°	154638	152249	151981
20°	122080	119624	119624
25°	93455	89769	91460
30°	69344	65785	67276
35°	50122	47936	48251
40°	34510	35184	33498
45°	25769	26865	24673
50°	22345	21970	21970
55°	21018	20148	20568
60°	21562	20012	21046
65°	23677	20050	23065
70°	27745	20243	26990
75°	35666	21826	34735
80°	44333	23605	41358
85°	35371	23515	32407

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 44333 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.8	11.2
10°-20°	236.6	24.3
20°-30°	220.4	22.7
30°-40°	146.3	15.0
40°-50°	85.2	8.8
50°-60°	62.0	6.4
60°-70°	52.4	5.4
70°-80°	43.4	4.5
80°-90°	18.0	1.9
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°	565.8	58.2
0°-40°	712.1	73.2
0°-60°	859.2	88.3
0°-90°	973.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	973.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1234	1234	1234	1234	1234	
5°	1189	1188	1183	1183	1183	109
15°	867	858	854	852	852	240
25°	492	483	472	474	481	227
35°	238	234	228	230	230	150
45°	106	107	110	104	101	85
55°	70	68	67	68	68	64
65°	58	52	49	52	57	58
75°	54	40	33	40	52	55
85°	18	21	12	19	16	21
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1233.9	1233.9	1233.9	1233.9	1233.9
1°	1235.4	1233.9	1230.9	1232.4	1232.4
2°	1229.4	1227.9	1226.4	1226.4	1226.4
3°	1219.0	1217.5	1216.0	1216.0	1216.0
4°	1204.1	1202.6	1202.6	1201.1	1201.1
5°	1189.2	1187.7	1183.2	1183.2	1183.2
6°	1168.3	1166.8	1163.8	1162.3	1162.3
7°	1143.0	1143.0	1138.5	1137.0	1138.5
8°	1116.1	1114.7	1111.7	1110.2	1110.2
9°	1087.8	1083.4	1083.4	1078.9	1081.9
10°	1055.0	1052.1	1049.1	1046.1	1044.6
11°	1017.8	1016.3	1011.8	1008.8	1007.4
12°	986.5	979.0	976.1	971.6	974.6
13°	946.3	941.8	934.3	932.8	934.3
14°	912.0	903.0	897.1	894.1	892.6
15°	867.3	858.3	853.9	852.4	852.4
17.5°	767.4	761.5	749.6	749.6	749.6
20°	666.1	660.1	652.7	651.2	652.7
22.5°	578.2	567.8	555.8	557.3	566.3
25°	491.8	482.8	472.4	473.9	481.3
27.5°	418.7	406.8	396.4	399.4	403.8
30°	348.7	341.3	330.8	333.8	338.3
32.5°	289.1	284.6	272.7	275.7	280.2
35°	238.4	234.0	228.0	229.5	229.5
37.5°	190.7	190.7	189.3	187.8	186.3
40°	153.5	156.5	156.5	152.0	149.0
42.5°	125.2	128.2	131.1	125.2	120.7
45°	105.8	107.3	110.3	104.3	101.3
47.5°	92.4	92.4	95.4	90.9	89.4
50°	83.4	83.4	82.0	80.5	82.0
52.5°	76.0	74.5	73.0	74.5	74.5
55°	70.0	68.5	67.1	68.5	68.5
57.5°	65.6	64.1	62.6	62.6	64.1
60°	62.6	59.6	58.1	59.6	61.1
62.5°	59.6	55.1	53.6	55.1	58.1
65°	58.1	52.2	49.2	52.2	56.6
67.5°	56.6	49.2	44.7	49.2	55.1
70°	55.1	46.2	40.2	46.2	53.6
72.5°	53.6	43.2	37.3	43.2	53.6
75°	53.6	40.2	32.8	40.2	52.2
77.5°	50.7	37.3	28.3	37.3	49.2
80°	44.7	34.3	23.8	32.8	41.7
82.5°	32.8	29.8	17.9	28.3	31.3
85°	17.9	20.9	11.9	19.4	16.4
87.5°	3.0	4.5	3.0	8.9	6.0



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)