

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: P1315969

Luminaire Tested: P3SQAS05R359827DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315969
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R359827DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

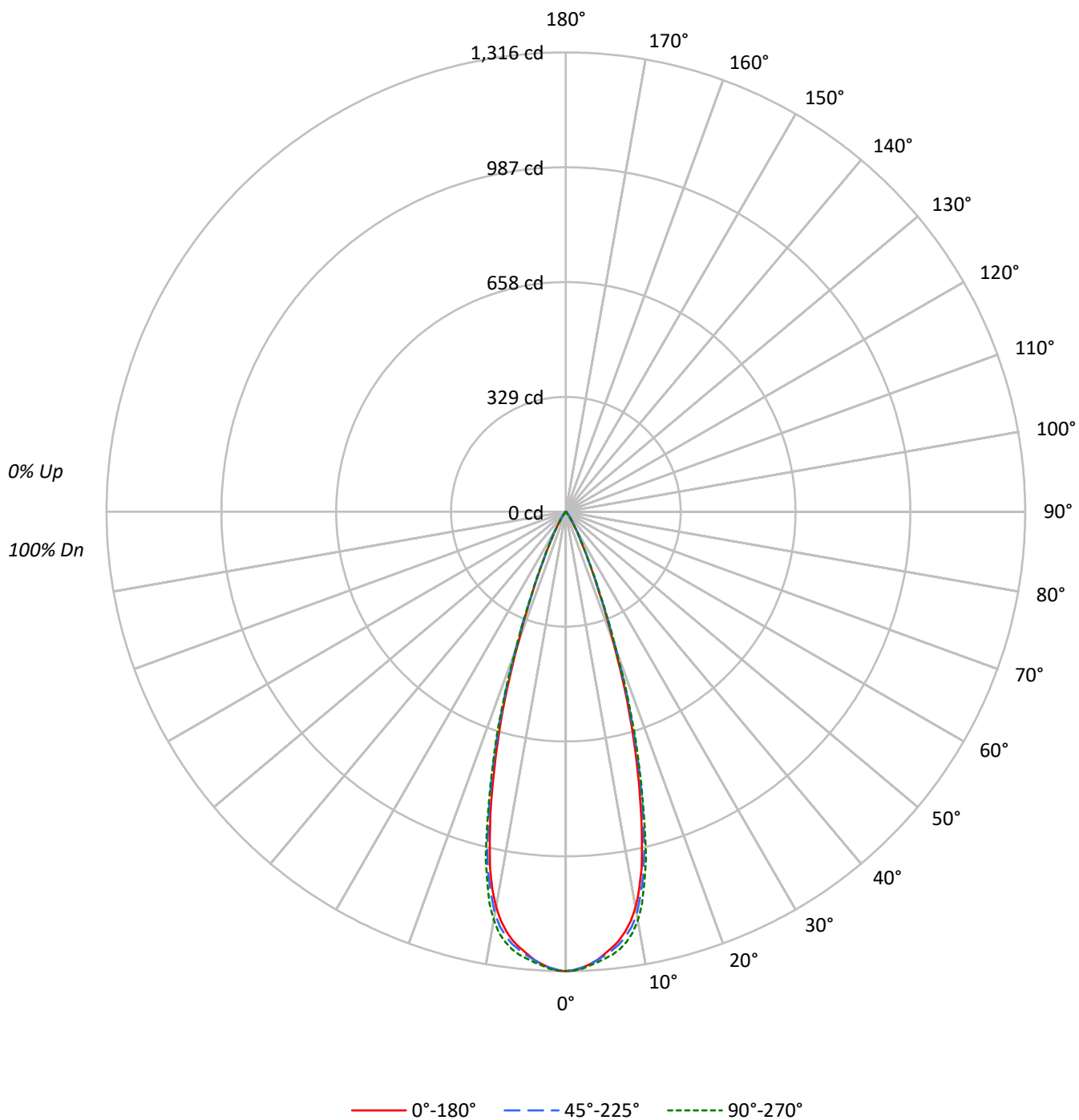
Lumens per Lamp: N/A
Luminaire Lumens: 441.9 lumens
Efficiency: N/A
Efficacy: 61.4 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	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		
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96		
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	93		
3	107	102	98	95	105	101	97	95	98	96	93	96	94	92	94	92	90	89		
4	103	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	86		
5	100	94	90	86	99	93	89	86	91	88	85	90	87	85	89	86	84	83		
6	97	90	86	83	96	90	86	83	88	85	82	87	84	82	86	83	81	80		
7	94	87	83	80	93	87	82	79	85	82	79	84	81	79	83	81	78	77		
8	91	84	80	77	90	84	80	77	83	79	76	82	78	76	81	78	76	75		
9	88	81	77	74	88	81	77	74	80	76	74	79	76	74	79	76	73	72		
10	86	79	75	72	85	78	74	72	78	74	71	77	74	71	76	73	71	70		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	226611	226611	226611
5°	219904	220682	222169
10°	201164	204661	207792
15°	144404	149681	151215
20°	72632	76866	77049
25°	27535	28371	28504
30°	11176	12827	10977
35°	4058	6160	3911
40°	1709	2630	1619
45°	414	1096	414
50°	268	455	268
55°	300	300	300
60°	344	344	344
65°	285	285	285
70°	151	151	151
75°	200	200	200
80°	298	298	298
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1096 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.0	26.9
10°-20°	221.6	50.2
20°-30°	79.7	18.0
30°-40°	16.7	3.8
40°-50°	2.9	0.7
50°-60°	0.9	0.2
60°-70°	0.7	0.2
70°-80°	0.3	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°	420.3	95.1
0°-40°	437.1	98.9
0°-60°	440.9	99.8
0°-90°	441.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	441.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1316	1316	1316	1316	1316	
5°	1272	1274	1276	1285	1285	118
15°	810	824	840	848	848	216
25°	145	147	149	151	150	77
35°	19	23	29	22	19	15
45°	2	3	4	3	2	2
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1315.8	1315.8	1315.8	1315.8	1315.8
1°	1315.2	1315.2	1312.4	1315.5	1314.5
2°	1307.9	1308.6	1306.9	1310.7	1310.3
3°	1297.9	1299.6	1298.2	1303.8	1302.0
4°	1287.2	1288.6	1287.9	1294.8	1294.1
5°	1272.0	1274.5	1276.5	1285.1	1285.1
6°	1256.5	1258.9	1263.4	1272.7	1275.8
7°	1238.6	1241.7	1248.9	1261.3	1263.4
8°	1215.8	1219.3	1229.3	1242.7	1245.5
9°	1187.5	1192.7	1204.1	1220.3	1222.0
10°	1150.3	1154.4	1170.3	1183.7	1188.2
11°	1102.0	1105.4	1119.6	1141.3	1144.1
12°	1043.4	1047.5	1065.8	1079.9	1082.7
13°	969.2	977.1	999.2	1013.0	1020.6
14°	893.0	903.7	919.5	939.2	934.4
15°	809.9	824.0	839.5	848.5	848.1
17.5°	606.0	614.3	628.1	633.3	640.2
20°	396.3	407.0	419.4	424.2	420.4
22.5°	245.9	248.7	252.5	254.5	253.9
25°	144.9	146.9	149.3	150.7	150.0
27.5°	87.3	92.1	95.5	91.4	89.0
30°	56.2	58.3	64.5	59.0	55.2
32.5°	33.5	38.3	43.5	36.9	32.1
35°	19.3	22.8	29.3	22.4	18.6
37.5°	12.4	14.1	19.0	13.8	12.1
40°	7.6	9.7	11.7	9.0	7.2
42.5°	3.8	5.9	6.9	5.2	3.8
45°	1.7	2.8	4.5	2.8	1.7
47.5°	1.0	1.4	2.8	1.4	1.0
50°	1.0	1.0	1.7	1.0	1.0
52.5°	1.0	1.0	1.0	1.0	1.0
55°	1.0	1.0	1.0	1.0	1.0
57.5°	1.0	1.0	1.0	1.0	1.0
60°	1.0	1.0	1.0	1.0	1.0
62.5°	0.7	0.7	0.7	0.7	0.7
65°	0.7	0.7	0.7	0.7	0.7
67.5°	0.7	0.7	0.7	0.7	0.7
70°	0.3	0.3	0.3	0.3	0.3
72.5°	0.3	0.3	0.3	0.3	0.3
75°	0.3	0.3	0.3	0.3	0.3
77.5°	0.3	0.3	0.3	0.3	0.3
80°	0.3	0.3	0.3	0.3	0.3
82.5°	0.3	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



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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)