

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: P1310852

Luminaire Tested: P3SQAS02R309050DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310852
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: P3SQAS02R309050DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

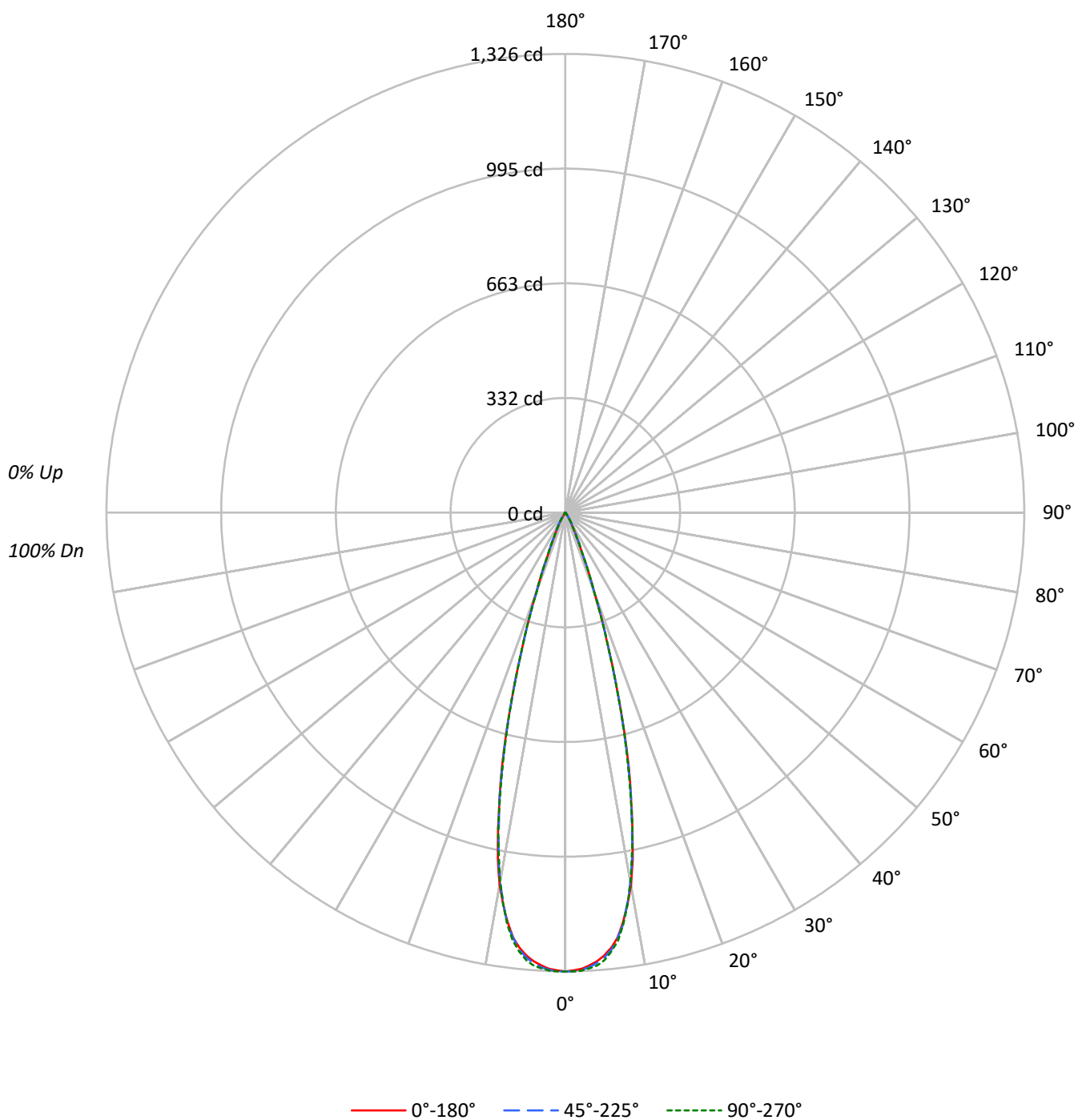
Lumens per Lamp: N/A
Luminaire Lumens: 345.0 lumens
Efficiency: N/A
Efficacy: 95.8 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	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	93	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°	228453	228453	228453
5°	222203	223171	224537
10°	191073	189447	189622
15°	117409	116446	116553
20°	44683	44774	43949
25°	14214	14974	14271
30°	5707	7100	5867
35°	1850	3133	1850
40°	832	1371	832
45°	317	585	317
50°	134	295	134
55°	150	150	150
60°	172	172	172
65°	122	122	122
70°	151	151	151
75°	200	200	200
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 585 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.0	33.9
10°-20°	173.6	50.3
20°-30°	43.1	12.5
30°-40°	8.6	2.5
40°-50°	1.6	0.5
50°-60°	0.5	0.1
60°-70°	0.4	0.1
70°-80°	0.3	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°	333.7	96.7
0°-40°	342.3	99.2
0°-60°	344.4	99.8
0°-90°	345.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	345.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1326	1326	1326	1326	1326	
5°	1285	1290	1291	1293	1299	117
15°	658	660	653	655	654	174
25°	75	76	79	78	75	42
35°	9	11	15	11	9	7
45°	1	2	2	2	1	1
55°	0	0	0	0	0	0
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1326.5	1326.5	1326.5	1326.5	1326.5
1°	1323.6	1325.2	1326.3	1326.3	1326.3
2°	1319.9	1320.9	1322.5	1322.8	1324.9
3°	1311.1	1313.5	1316.1	1317.7	1318.8
4°	1300.4	1303.6	1305.2	1309.2	1312.7
5°	1285.3	1289.5	1290.9	1292.7	1298.8
6°	1264.8	1268.0	1270.6	1271.4	1275.2
7°	1237.6	1239.2	1238.7	1240.0	1246.7
8°	1196.4	1196.9	1201.4	1198.5	1203.0
9°	1147.4	1145.3	1144.2	1146.3	1146.6
10°	1092.6	1085.4	1083.3	1081.4	1084.3
11°	1021.5	1012.2	1013.0	1012.5	1008.2
12°	933.1	932.1	925.2	926.5	932.9
13°	842.9	844.8	843.4	845.0	837.9
14°	758.3	749.2	751.6	742.6	746.0
15°	658.5	659.8	653.1	655.3	653.7
17.5°	421.6	424.5	422.4	420.5	423.5
20°	243.8	243.5	244.3	241.9	239.8
22.5°	128.3	130.2	132.5	132.8	134.4
25°	74.8	76.4	78.8	77.7	75.1
27.5°	45.8	48.7	52.4	49.8	46.6
30°	28.7	31.1	35.7	31.4	29.5
32.5°	16.2	19.7	23.4	19.7	16.2
35°	8.8	11.4	14.9	11.2	8.8
37.5°	5.9	6.7	9.8	6.7	5.9
40°	3.7	4.5	6.1	4.5	3.7
42.5°	2.1	2.9	3.5	2.9	2.1
45°	1.3	1.6	2.4	1.9	1.3
47.5°	0.5	0.8	1.6	0.8	0.8
50°	0.5	0.5	1.1	0.5	0.5
52.5°	0.5	0.5	0.5	0.5	0.5
55°	0.5	0.5	0.5	0.5	0.5
57.5°	0.5	0.5	0.5	0.5	0.5
60°	0.5	0.5	0.5	0.5	0.5
62.5°	0.5	0.5	0.5	0.5	0.5
65°	0.3	0.3	0.3	0.3	0.3
67.5°	0.3	0.3	0.3	0.3	0.3
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°	0.0	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



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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)