

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: P1313131

Luminaire Tested: P3SQAS05R459730DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313131
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R459730DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

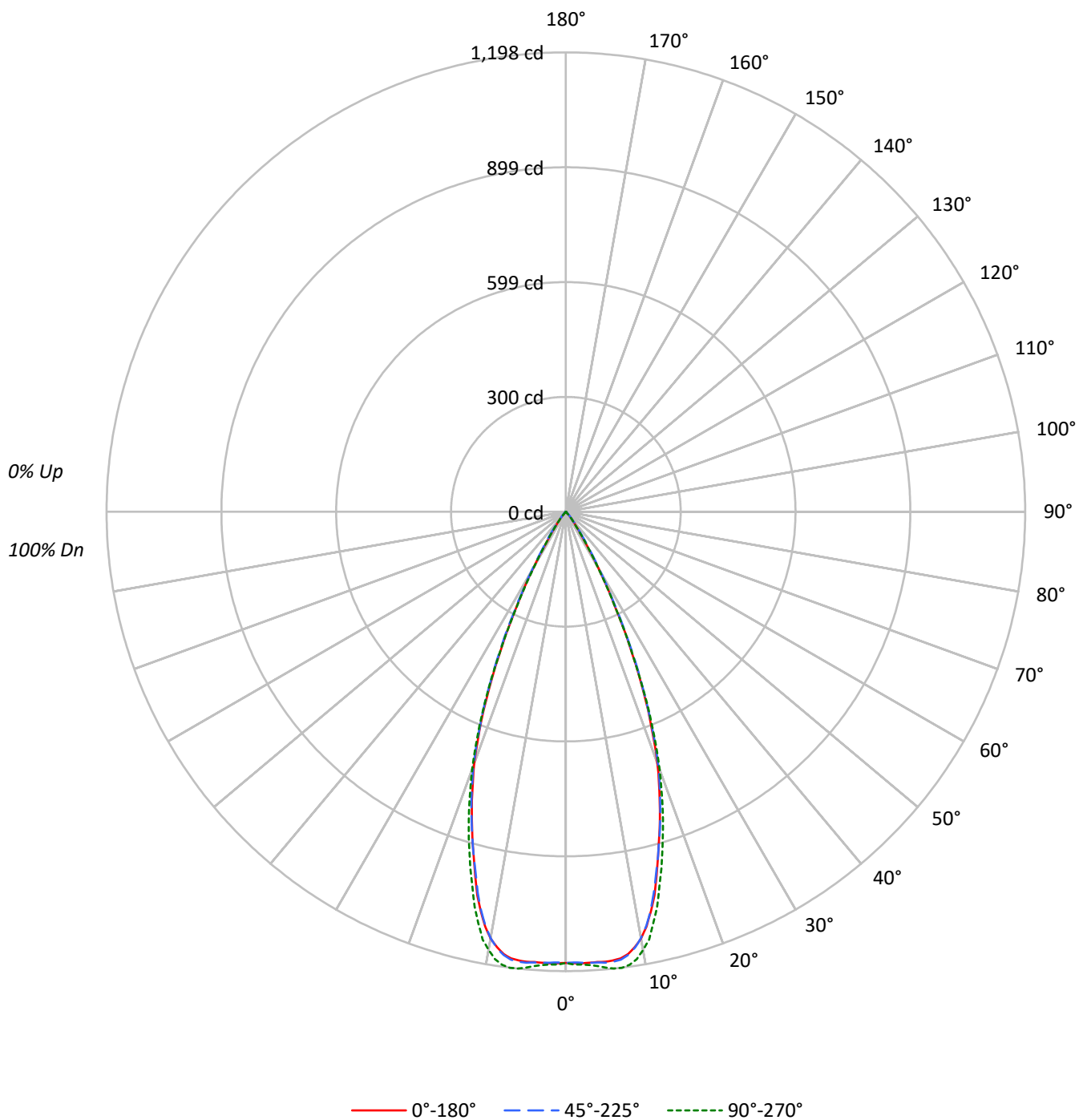
Lumens per Lamp: N/A
Luminaire Lumens: 608.9 lumens
Efficiency: N/A
Efficacy: 84.6 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	106	102	99	108	104	101	98	101	98	96		98	96	94		95
3	106	100	96	93	104	99	95	92	96	93	91		94	91	89		92
4	101	95	91	87	100	94	90	87	92	88	86		90	87	85		88
5	98	91	86	82	96	90	85	82	88	84	81		87	83	81		85
6	94	86	82	78	93	86	81	78	84	80	77		83	79	77		82
7	90	83	78	74	89	82	77	74	81	77	74		80	76	73		79
8	87	79	74	71	86	79	74	71	78	73	70		77	73	70		76
9	84	76	71	68	83	75	71	68	75	70	67		74	70	67		73
10	81	73	68	65	80	72	68	65	72	67	65		71	67	64		70

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	202654	202654	202654
5°	203653	204051	206367
10°	197614	197456	202948
15°	165621	165532	171612
20°	128036	129338	131152
25°	78481	80115	78652
30°	33668	35179	32594
35°	10575	12741	10281
40°	3642	4654	3530
45°	658	1973	536
50°	348	723	348
55°	390	390	390
60°	310	310	310
65°	367	367	367
70°	201	201	201
75°	266	266	266
80°	397	397	397
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1973 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.8	18.4
10°-20°	258.4	42.4
20°-30°	189.2	31.1
30°-40°	41.8	6.9
40°-50°	5.1	0.8
50°-60°	1.2	0.2
60°-70°	0.9	0.1
70°-80°	0.4	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°	559.5	91.9
0°-40°	601.3	98.7
0°-60°	607.5	99.8
0°-90°	608.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	608.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1177	1177	1177	1177	1177	
5°	1178	1177	1180	1189	1194	111
15°	929	924	928	951	962	256
25°	413	413	422	418	414	187
35°	50	53	61	53	49	40
45°	3	4	8	4	2	4
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°	1176.7	1176.7	1176.7	1176.7	1176.7
1°	1177.6	1175.8	1175.3	1178.5	1180.7
2°	1178.5	1176.2	1176.7	1179.8	1181.2
3°	1177.6	1175.3	1177.6	1182.1	1183.9
4°	1177.1	1176.2	1178.5	1184.8	1187.9
5°	1178.0	1177.1	1180.3	1188.8	1193.7
6°	1176.7	1175.3	1179.8	1190.6	1197.8
7°	1173.5	1172.2	1177.1	1190.1	1198.2
8°	1165.0	1162.3	1167.2	1183.4	1193.3
9°	1149.7	1146.1	1151.1	1169.9	1181.6
10°	1130.0	1125.9	1129.1	1147.5	1160.5
11°	1101.7	1096.3	1099.9	1119.7	1136.7
12°	1065.8	1058.2	1062.6	1085.1	1097.2
13°	1026.7	1019.5	1020.4	1040.6	1057.7
14°	978.2	968.8	972.9	994.0	1007.4
15°	928.9	923.9	928.4	950.9	962.5
17.5°	815.7	815.3	819.3	835.9	842.2
20°	698.6	699.9	705.7	714.7	715.6
22.5°	559.8	560.3	566.6	572.8	571.5
25°	413.0	412.6	421.6	418.4	413.9
27.5°	273.9	275.6	283.7	277.9	273.4
30°	169.3	172.8	176.9	169.7	163.9
32.5°	91.6	97.4	103.3	97.0	91.1
35°	50.3	53.0	60.6	53.0	48.9
37.5°	29.2	30.5	35.5	30.5	27.8
40°	16.2	18.4	20.7	18.4	15.7
42.5°	6.7	10.3	12.6	10.3	6.7
45°	2.7	4.5	8.1	4.5	2.2
47.5°	1.3	1.8	4.9	1.8	1.3
50°	1.3	1.3	2.7	1.3	1.3
52.5°	1.3	1.3	1.3	1.3	1.3
55°	1.3	1.3	1.3	1.3	1.3
57.5°	1.3	1.3	1.3	1.3	1.3
60°	0.9	0.9	0.9	1.3	0.9
62.5°	0.9	0.9	0.9	0.9	0.9
65°	0.9	0.9	0.9	0.9	0.9
67.5°	0.9	0.9	0.9	0.9	0.9
70°	0.4	0.4	0.4	0.9	0.4
72.5°	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4
77.5°	0.4	0.4	0.4	0.4	0.4
80°	0.4	0.4	0.4	0.4	0.4
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)