

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: P1306160

Luminaire Tested: P3SQASS17R709024DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306160
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQASS17R709024DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

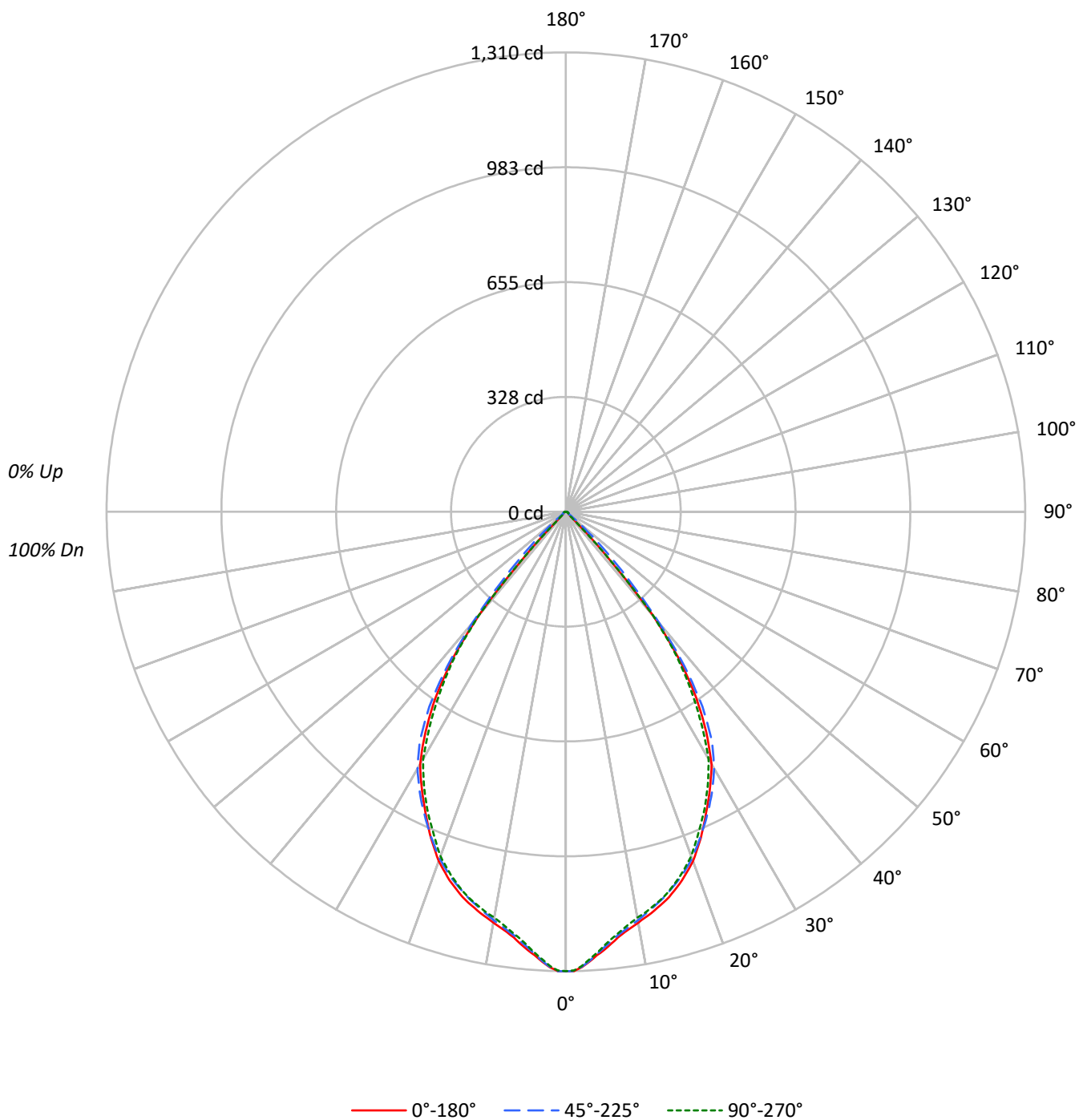
Lumens per Lamp: N/A
Luminaire Lumens: 1397.0 lumens
Efficiency: N/A
Efficacy: 65.9 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	95	89	85	99	93	88	84	90	86	83		88	85	82		86
4	96	88	82	77	94	87	81	77	84	80	76		82	78	75		81
5	91	82	76	71	89	81	75	71	79	74	70		77	73	69		76
6	86	76	70	65	84	75	69	65	74	69	65		72	68	64		71
7	81	71	65	60	80	70	64	60	69	64	60		68	63	59		67
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		63
9	73	62	56	52	72	62	56	52	61	56	52		60	55	52		59
10	69	59	53	48	68	58	52	48	57	52	48		57	52	48		56

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	225646	225646	225646
5°	216896	215703	214925
10°	208072	206882	205501
15°	202832	200603	200407
20°	194345	192897	191651
25°	179936	181228	177770
30°	165277	168201	161877
35°	136302	142735	131046
40°	86781	93413	86781
45°	6089	40382	6625
50°	2733	8225	2733
55°	3063	3063	3063
60°	3134	3134	3134
65°	2771	3219	2771
70°	2870	3424	2870
75°	2994	2994	2994
80°	3372	3372	3372
85°	2174	4545	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 40382 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.9	8.4
10°-20°	316.5	22.7
20°-30°	435.1	31.1
30°-40°	398.5	28.5
40°-50°	105.8	7.6
50°-60°	9.4	0.7
60°-70°	7.7	0.5
70°-80°	5.1	0.4
80°-90°	1.9	0.1
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°	868.5	62.2
0°-40°	1267.0	90.7
0°-60°	1382.2	98.9
0°-90°	1397.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1397.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1310	1310	1310	1310	1310	
5°	1255	1249	1248	1246	1243	118
15°	1138	1127	1125	1125	1124	319
25°	947	950	954	942	936	435
35°	648	658	679	648	623	393
45°	25	85	166	86	27	75
55°	10	10	10	10	10	9
65°	7	8	8	8	7	7
75°	4	4	4	4	4	5
85°	1	2	2	2	1	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1310.2	1310.2	1310.2	1310.2	1310.2
1°	1310.2	1307.9	1310.2	1310.2	1307.9
2°	1300.0	1297.7	1298.8	1297.7	1296.6
3°	1285.2	1281.8	1282.9	1280.7	1278.4
4°	1268.2	1264.8	1264.8	1263.6	1261.4
5°	1254.6	1248.9	1247.7	1245.5	1243.2
6°	1238.7	1233.0	1231.8	1228.4	1226.2
7°	1222.8	1218.2	1217.1	1212.5	1212.5
8°	1210.3	1204.6	1204.6	1198.9	1198.9
9°	1200.1	1193.2	1193.2	1188.7	1186.4
10°	1189.8	1183.0	1183.0	1177.4	1175.1
11°	1179.6	1173.9	1171.7	1168.3	1167.1
12°	1170.5	1162.6	1160.3	1159.2	1156.9
13°	1159.2	1151.2	1149.0	1147.8	1146.7
14°	1149.0	1138.8	1137.6	1135.3	1136.5
15°	1137.6	1127.4	1125.1	1125.1	1124.0
17.5°	1102.4	1095.6	1092.2	1089.9	1087.7
20°	1060.4	1054.7	1052.5	1047.9	1045.7
22.5°	1005.9	1004.8	1003.6	998.0	988.9
25°	946.9	950.3	953.7	942.3	935.5
27.5°	890.1	899.2	902.6	891.2	876.5
30°	831.1	839.0	845.8	829.9	814.0
32.5°	745.9	765.2	775.4	757.3	720.9
35°	648.3	658.5	678.9	648.3	623.3
37.5°	534.7	540.4	556.3	535.9	518.9
40°	386.0	403.0	415.5	403.0	386.0
42.5°	173.7	243.0	274.8	256.6	181.7
45°	25.0	85.2	165.8	86.3	27.2
47.5°	10.2	13.6	86.3	12.5	10.2
50°	10.2	10.2	30.7	10.2	10.2
52.5°	10.2	10.2	11.4	10.2	10.2
55°	10.2	10.2	10.2	10.2	10.2
57.5°	9.1	9.1	10.2	9.1	9.1
60°	9.1	9.1	9.1	9.1	9.1
62.5°	7.9	9.1	9.1	9.1	7.9
65°	6.8	7.9	7.9	7.9	6.8
67.5°	6.8	6.8	6.8	6.8	6.8
70°	5.7	6.8	6.8	6.8	5.7
72.5°	5.7	5.7	5.7	5.7	5.7
75°	4.5	4.5	4.5	4.5	4.5
77.5°	3.4	4.5	4.5	4.5	3.4
80°	3.4	3.4	3.4	3.4	3.4
82.5°	2.3	2.3	2.3	2.3	2.3
85°	1.1	2.3	2.3	2.3	1.1
87.5°	1.1	1.1	1.1	1.1	1.1



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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)