

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: P1311404

Luminaire Tested: P3SQAS13R709050DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311404
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R709050DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

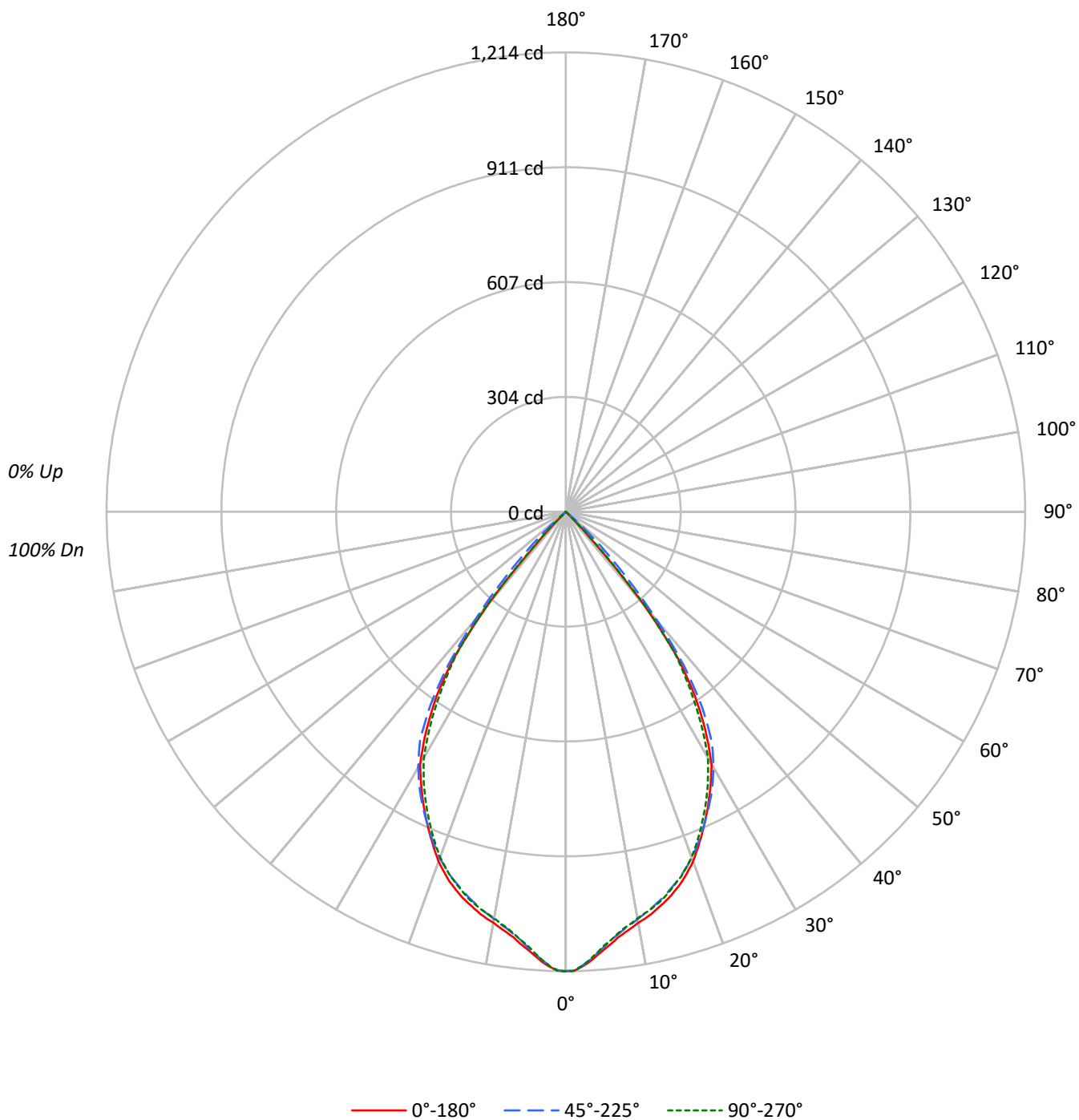
Lumens per Lamp: N/A
Luminaire Lumens: 1256.0 lumens
Efficiency: N/A
Efficacy: 86.0 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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

TEST NUMBER: P1311404

CATALOG NUMBER: P3SQAS13R709050DE010 E3SQCD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1311404

CATALOG NUMBER: P3SQAS13R709050DE010 E3SQCD1MB

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	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	98	95	105	101	97	94	98	95	92		95	92	90		92
3	102	95	90	86	100	94	89	85	91	87	84		89	86	83		87
4	96	89	83	79	95	88	82	78	85	81	77		83	79	76		81
5	91	83	77	72	90	82	76	72	80	75	71		78	74	71		77
6	86	77	71	67	85	76	71	66	75	70	66		73	69	65		72
7	82	72	66	62	80	71	66	61	70	65	61		69	64	61		68
8	78	68	61	57	76	67	61	57	66	61	57		65	60	57		64
9	74	63	57	53	72	63	57	53	62	57	53		61	56	53		60
10	70	60	54	50	69	59	53	50	58	53	49		58	53	49		57

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	209078	209078	209078
5°	200697	199608	199055
10°	192805	191126	190759
15°	188247	185590	185965
20°	180251	178510	178125
25°	167318	167718	165095
30°	153146	155254	149328
35°	125285	131298	120365
40°	72122	84060	74033
45°	1023	34926	3629
50°	0	3697	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 34926 cd/sqm

TEST NUMBER: P1311404

CATALOG NUMBER: P3SQAS13R709050DE010 E3SQCD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.3	8.6
10°-20°	293.5	23.4
20°-30°	403.2	32.1
30°-40°	365.6	29.1
40°-50°	85.0	6.8
50°-60°	0.4	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	805.0	64.1
0°-40°	1170.6	93.2
0°-60°	1256.0	100.0
0°-90°	1256.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1256.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1214	1214	1214	1214	1214	
5°	1161	1158	1155	1152	1151	109
15°	1056	1048	1041	1041	1043	296
25°	880	885	883	874	869	404
35°	596	604	624	598	572	358
45°	4	48	143	62	15	51
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	



TEST NUMBER: P1311404

CATALOG NUMBER: P3SQAS13R709050DE010 E3SQCD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1214.0	1214.0	1214.0	1214.0	1214.0
1°	1213.0	1210.8	1211.9	1213.0	1214.0
2°	1203.4	1201.3	1201.3	1202.3	1202.3
3°	1191.7	1187.5	1187.5	1186.4	1186.4
4°	1175.8	1172.6	1170.5	1169.4	1169.4
5°	1160.9	1157.7	1154.6	1152.4	1151.4
6°	1148.2	1142.9	1138.6	1137.6	1138.6
7°	1133.3	1130.1	1125.9	1122.7	1123.8
8°	1122.7	1118.4	1113.1	1111.0	1111.0
9°	1113.1	1108.9	1103.6	1099.3	1101.4
10°	1102.5	1098.3	1092.9	1089.8	1090.8
11°	1095.1	1089.8	1083.4	1081.3	1082.3
12°	1086.6	1080.2	1073.8	1072.8	1074.9
13°	1076.0	1069.6	1063.2	1063.2	1065.3
14°	1066.4	1059.0	1052.6	1052.6	1055.8
15°	1055.8	1048.3	1040.9	1040.9	1043.0
17.5°	1023.9	1017.5	1010.1	1010.1	1011.2
20°	983.5	980.4	974.0	970.8	971.9
22.5°	932.6	932.6	929.4	924.1	921.9
25°	880.5	884.8	882.6	874.1	868.8
27.5°	826.3	833.8	834.8	822.1	812.5
30°	770.1	776.4	780.7	765.8	750.9
32.5°	687.2	706.3	716.9	696.8	666.0
35°	595.9	604.4	624.5	598.0	572.5
37.5°	484.3	495.0	512.0	490.7	475.8
40°	320.8	363.3	373.9	363.3	329.3
42.5°	115.8	203.9	245.4	208.2	136.0
45°	4.2	47.8	143.4	61.6	14.9
47.5°	0.0	1.1	64.8	2.1	0.0
50°	0.0	0.0	13.8	0.0	0.0
52.5°	0.0	0.0	1.1	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
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



TEST NUMBER: P1311404

CATALOG NUMBER: P3SQAS13R709050DE010 E3SQCD1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)