

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: P1306158

Luminaire Tested: P3SQAS17R709024DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306158
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: P3SQAS17R709024DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

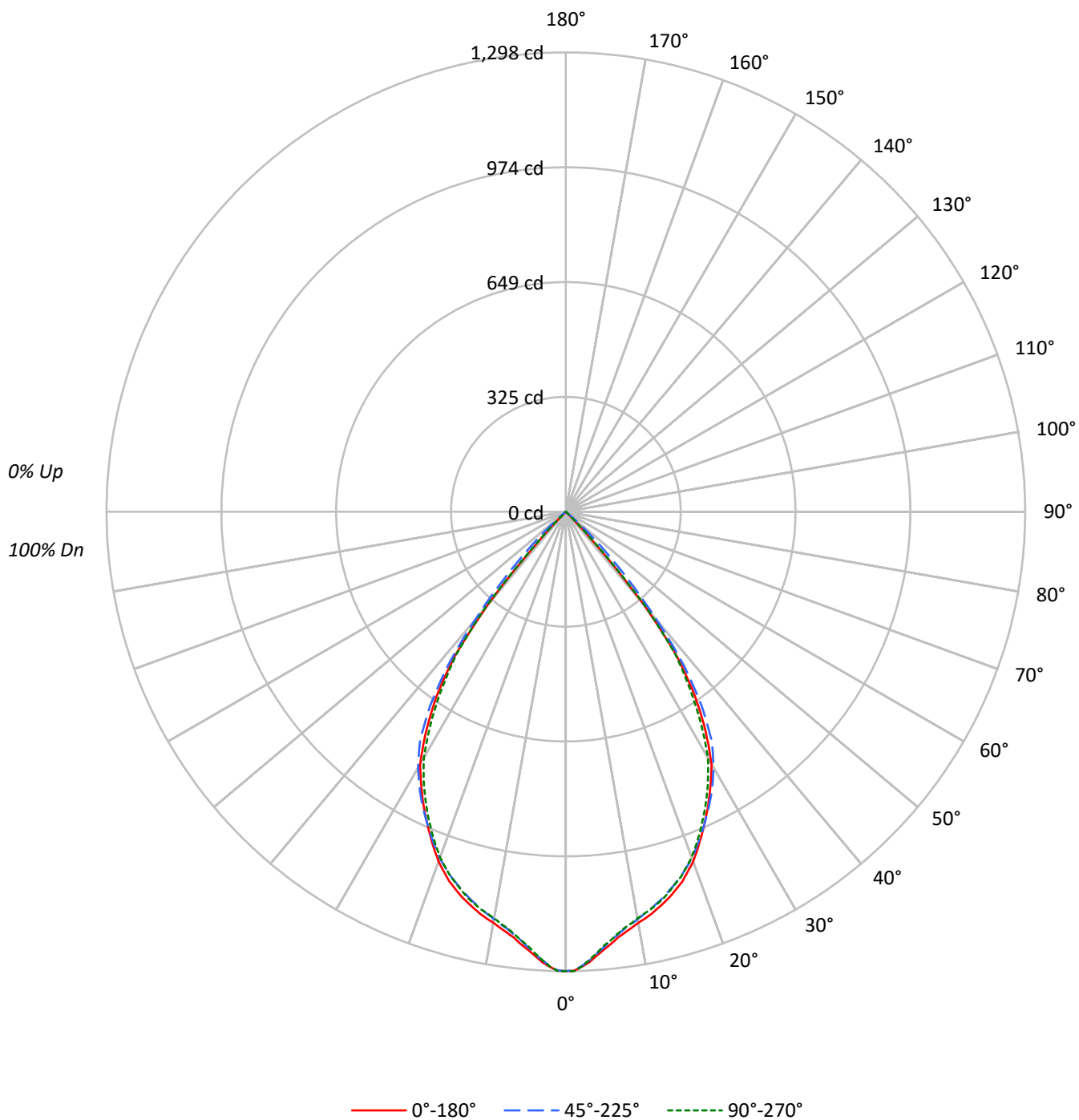
Lumens per Lamp: N/A
Luminaire Lumens: 1343.0 lumens
Efficiency: N/A
Efficacy: 63.3 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93		
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86		
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	80		
4	96	89	83	79	95	88	82	78	85	81	77	83	79	76	81	78	75	74		
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	68		
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	63		
7	82	72	66	62	80	71	66	61	70	65	61	69	64	61	68	64	60	59		
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55		
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51		
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	48		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	223562	223562	223562
5°	214597	213421	212833
10°	206165	204382	203979
15°	201281	198446	198856
20°	192751	190881	190460
25°	178910	179347	176535
30°	163746	166013	159689
35°	133947	140402	128712
40°	77113	89883	79159
45°	1096	37338	3873
50°	0	3965	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: 37338 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.8	8.6
10°-20°	313.8	23.4
20°-30°	431.1	32.1
30°-40°	390.9	29.1
40°-50°	90.9	6.8
50°-60°	0.5	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°	860.8	64.1
0°-40°	1251.7	93.2
0°-60°	1343.0	100.0
0°-90°	1343.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1343.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1298	1298	1298	1298	1298	
5°	1241	1238	1234	1232	1231	116
15°	1129	1121	1113	1113	1115	317
25°	942	946	944	935	929	432
35°	637	646	668	639	612	383
45°	4	51	153	66	16	55
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°	1298.1	1298.1	1298.1	1298.1	1298.1
1°	1297.0	1294.7	1295.9	1297.0	1298.1
2°	1286.8	1284.5	1284.5	1285.6	1285.6
3°	1274.3	1269.7	1269.7	1268.6	1268.6
4°	1257.2	1253.8	1251.6	1250.4	1250.4
5°	1241.3	1237.9	1234.5	1232.3	1231.1
6°	1227.7	1222.0	1217.5	1216.4	1217.5
7°	1211.8	1208.4	1203.9	1200.5	1201.6
8°	1200.5	1195.9	1190.2	1188.0	1188.0
9°	1190.2	1185.7	1180.0	1175.5	1177.7
10°	1178.9	1174.3	1168.7	1165.2	1166.4
11°	1170.9	1165.2	1158.4	1156.2	1157.3
12°	1161.8	1155.0	1148.2	1147.1	1149.3
13°	1150.5	1143.7	1136.9	1136.9	1139.1
14°	1140.3	1132.3	1125.5	1125.5	1128.9
15°	1128.9	1121.0	1113.0	1113.0	1115.3
17.5°	1094.8	1088.0	1080.1	1080.1	1081.2
20°	1051.7	1048.3	1041.5	1038.0	1039.2
22.5°	997.2	997.2	993.8	988.1	985.8
25°	941.5	946.1	943.8	934.7	929.0
27.5°	883.6	891.5	892.7	879.0	868.8
30°	823.4	830.2	834.8	818.9	803.0
32.5°	734.8	755.3	766.6	745.0	712.1
35°	637.1	646.2	667.8	639.4	612.2
37.5°	517.9	529.2	547.4	524.7	508.8
40°	343.0	388.4	399.8	388.4	352.1
42.5°	123.8	218.1	262.4	222.6	145.4
45°	4.5	51.1	153.3	65.9	15.9
47.5°	0.0	1.1	69.3	2.3	0.0
50°	0.0	0.0	14.8	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



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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)