

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: P1310779

Luminaire Tested: P3SQAS24R709040D010 E3SQCLDWW1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310779
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-46)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R709040D010 E3SQCLDWW1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , E3SQCLDWW1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

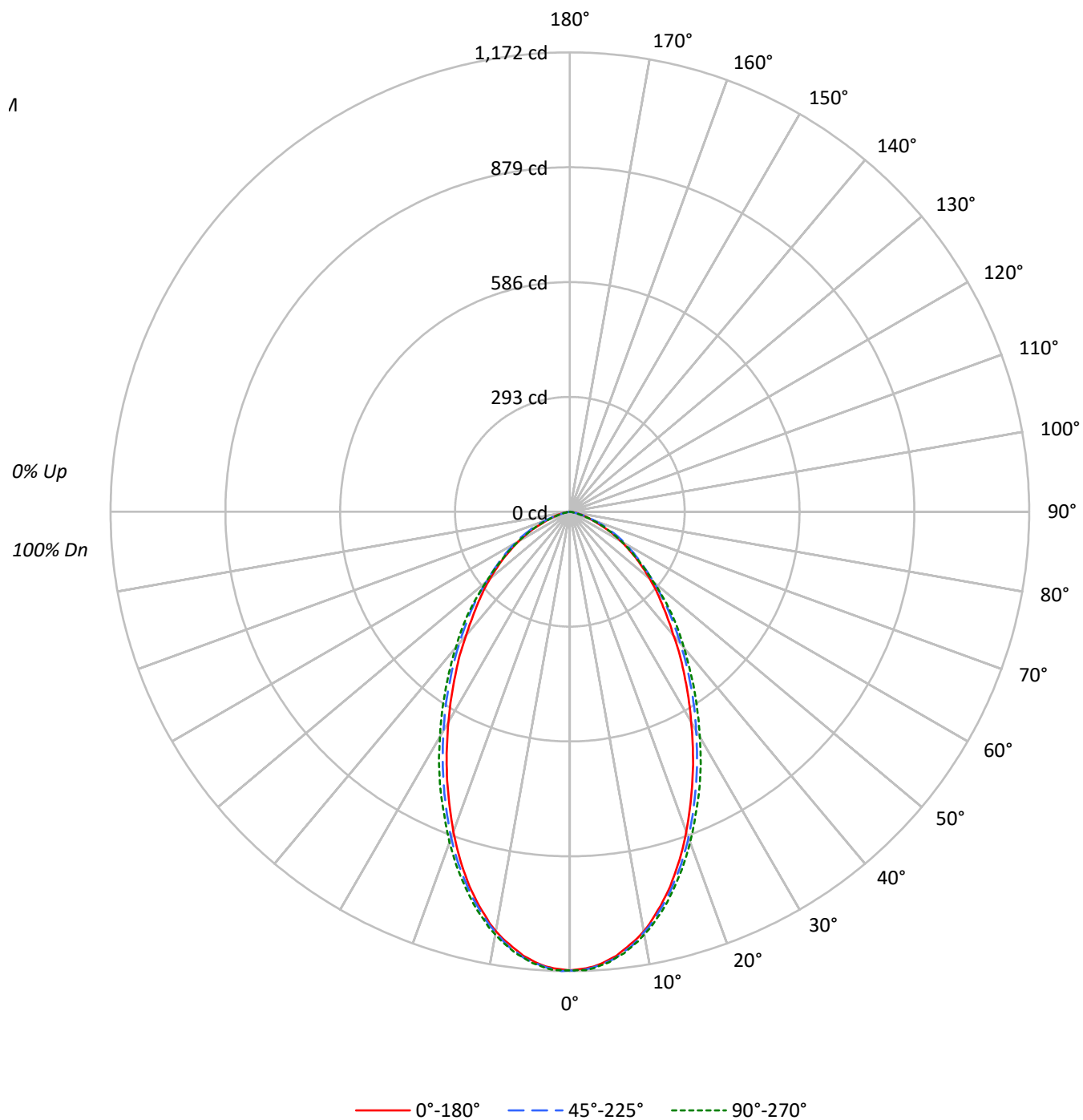
Lumens per Lamp: N/A
Luminaire Lumens: 1675.0 lumens
Efficiency: N/A
Efficacy: 58.2 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	111	108	104	102	109	106	103	100	101	99	97		98	96	94		94
2	103	97	92	87	101	95	90	86	92	88	84		89	85	82		86
3	96	87	81	76	94	86	80	75	83	78	74		81	76	72		78
4	89	79	72	66	87	78	71	66	76	70	65		74	69	64		72
5	83	72	65	59	81	71	64	59	69	63	58		67	62	58		66
6	78	66	59	53	76	65	58	53	64	57	53		62	56	52		61
7	73	61	53	48	71	60	53	48	59	52	48		58	52	47		56
8	68	57	49	44	67	56	49	44	55	48	44		53	48	43		52
9	64	53	45	40	63	52	45	40	51	45	40		50	44	40		49
10	61	49	42	37	60	49	42	37	48	41	37		47	41	37		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	201500	201500	201500
5°	198329	199037	199400
10°	190076	190444	191528
15°	176372	177852	179350
20°	159211	162254	164545
25°	140981	144933	148487
30°	123157	128109	131828
35°	107057	112733	116223
40°	92514	98584	101844
45°	80984	86561	89094
50°	71270	74619	74619
55°	61764	64886	63025
60°	52252	55835	52976
65°	40670	46579	42341
70°	29306	34543	29306
75°	22158	20761	16569
80°	14381	10315	4166
85°	4150	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 89094 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.9	6.4
10°-20°	278.4	16.6
20°-30°	349.5	20.9
30°-40°	333.8	19.9
40°-50°	271.4	16.2
50°-60°	190.0	11.3
60°-70°	107.3	6.4
70°-80°	34.0	2.0
80°-90°	2.6	0.2
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°	735.8	43.9
0°-40°	1069.7	63.9
0°-60°	1531.1	91.4
0°-90°	1675.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1675.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1170	1170	1170	1170	1170	
5°	1147	1149	1151	1149	1153	108
15°	989	991	998	1000	1006	276
25°	742	750	763	775	781	340
35°	509	518	536	547	553	319
45°	332	341	355	362	366	258
55°	206	208	216	212	210	184
65°	100	106	114	108	104	100
75°	33	33	31	27	25	36
85°	2	2	0	0	0	4
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1170.0	1170.0	1170.0	1170.0	1170.0
1°	1168.0	1170.0	1172.1	1168.0	1170.0
2°	1165.9	1168.0	1168.0	1165.9	1170.0
3°	1161.7	1163.8	1163.8	1161.7	1165.9
4°	1155.5	1157.6	1157.6	1155.5	1159.6
5°	1147.2	1149.2	1151.3	1149.2	1153.4
6°	1138.9	1140.9	1143.0	1140.9	1143.0
7°	1126.4	1130.5	1130.5	1130.5	1134.7
8°	1113.9	1118.1	1120.2	1118.1	1122.2
9°	1101.4	1103.5	1105.6	1105.6	1109.8
10°	1086.9	1089.0	1089.0	1091.1	1095.2
11°	1070.3	1070.3	1074.4	1074.4	1080.7
12°	1049.5	1051.6	1055.7	1057.8	1062.0
13°	1030.8	1032.9	1037.0	1039.1	1045.3
14°	1010.0	1014.2	1018.3	1020.4	1026.6
15°	989.2	991.3	997.5	999.6	1005.9
17.5°	931.0	933.1	943.5	947.7	953.9
20°	868.7	874.9	885.3	891.5	897.8
22.5°	804.3	810.5	823.0	833.4	837.5
25°	741.9	750.2	762.7	775.2	781.4
27.5°	679.6	687.9	702.4	714.9	723.2
30°	619.3	627.6	644.2	654.6	662.9
32.5°	563.2	571.5	590.2	600.6	606.8
35°	509.2	517.5	536.2	546.6	552.8
37.5°	461.4	469.7	486.3	496.7	500.8
40°	411.5	421.9	438.5	448.9	453.0
42.5°	369.9	378.2	394.9	403.2	409.4
45°	332.5	340.8	355.4	361.6	365.8
47.5°	299.3	303.4	315.9	318.0	322.1
50°	266.0	270.2	278.5	280.6	278.5
52.5°	234.8	239.0	245.2	243.1	243.1
55°	205.7	207.8	216.1	212.0	209.9
57.5°	176.6	180.8	189.1	182.9	180.8
60°	151.7	155.9	162.1	157.9	153.8
62.5°	126.8	128.8	139.2	130.9	126.8
65°	99.8	106.0	114.3	108.1	103.9
67.5°	74.8	85.2	93.5	85.2	81.0
70°	58.2	62.3	68.6	64.4	58.2
72.5°	43.6	45.7	47.8	43.6	39.5
75°	33.3	33.3	31.2	27.0	24.9
77.5°	22.9	22.9	18.7	12.5	12.5
80°	14.5	14.5	10.4	4.2	4.2
82.5°	6.2	6.2	4.2	2.1	2.1
85°	2.1	2.1	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)