

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: P1309663

Luminaire Tested: P3SQAS24R709035D010 E3SQCLDWW1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309663
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-45)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R709035D010 E3SQCLDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3SQCLDWW1MW TRI
Light Source: -
Ballast/Driver: -

Summary

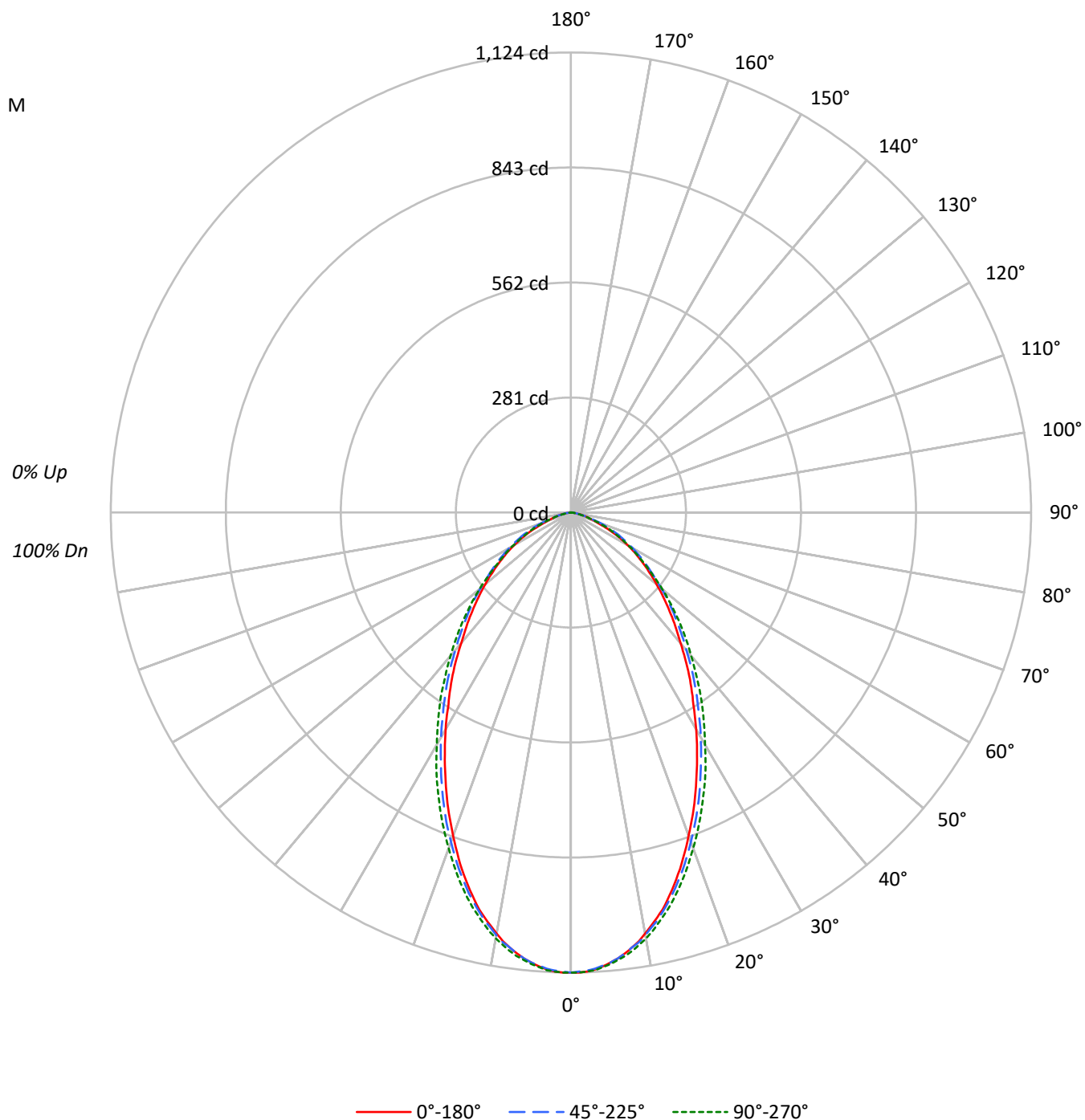
Lumens per Lamp: N/A
Luminaire Lumens: 1688.0 lumens
Efficiency: N/A
Efficacy: 58.6 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	107	104	101	109	105	102	99	101	98	96		97	95	93		94
2	103	96	91	86	101	95	89	85	91	87	83		88	84	81		85
3	95	87	80	75	93	85	79	74	82	77	73		80	75	71		77
4	89	78	71	65	87	77	70	65	75	69	64		73	67	63		71
5	83	71	64	58	81	70	63	58	68	62	57		67	61	57		65
6	77	65	58	52	75	64	57	52	63	56	51		61	55	51		60
7	72	60	52	47	70	59	52	47	58	51	47		57	51	46		55
8	68	56	48	43	66	55	48	43	54	47	42		53	47	42		51
9	64	52	44	39	62	51	44	39	50	44	39		49	43	39		48
10	60	48	41	36	59	48	41	36	47	40	36		46	40	36		45

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	193613	193613	193613
5°	190825	190825	191534
10°	182679	183396	184830
15°	170239	171701	173876
20°	154061	157049	160036
25°	137636	141513	145389
30°	121726	126180	130237
35°	107246	111955	116686
40°	93570	98629	102743
45°	82981	87462	90434
50°	73252	77084	78182
55°	64316	68009	66148
60°	55525	59727	56937
65°	44052	51550	46579
70°	31824	40082	34946
75°	24421	25818	21693
80°	16166	16166	12100
85°	8102	8102	8102

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 90434 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.6	6.1
10°-20°	269.1	15.9
20°-30°	341.9	20.3
30°-40°	332.6	19.7
40°-50°	276.5	16.4
50°-60°	199.4	11.8
60°-70°	117.3	7.0
70°-80°	41.6	2.5
80°-90°	6.1	0.4
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°	714.5	42.3
0°-40°	1047.1	62.0
0°-60°	1523.0	90.2
0°-90°	1688.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1688.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1124	1124	1124	1124	1124	
5°	1104	1102	1104	1104	1108	104
15°	955	955	963	969	975	266
25°	724	732	745	759	765	333
35°	510	516	532	547	555	319
45°	341	347	359	367	371	264
55°	214	220	226	224	220	192
65°	108	116	126	120	114	108
75°	37	39	39	35	33	40
85°	4	4	4	4	4	6
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1124.2	1124.2	1124.2	1124.2	1124.2
1°	1124.2	1122.1	1122.1	1122.1	1124.2
2°	1122.1	1120.1	1120.1	1120.1	1122.1
3°	1118.1	1116.0	1116.0	1116.0	1120.1
4°	1111.9	1107.9	1109.9	1109.9	1114.0
5°	1103.8	1101.7	1103.8	1103.8	1107.9
6°	1095.6	1093.6	1095.6	1095.6	1099.7
7°	1085.4	1083.4	1085.4	1087.5	1091.5
8°	1073.2	1071.1	1073.2	1075.2	1081.3
9°	1060.9	1058.9	1063.0	1065.0	1069.1
10°	1044.6	1044.6	1048.7	1050.7	1056.9
11°	1028.3	1028.3	1032.4	1036.5	1042.6
12°	1012.0	1012.0	1018.1	1022.2	1026.3
13°	995.7	993.6	999.7	1003.8	1009.9
14°	975.2	973.2	981.4	987.5	993.6
15°	954.8	954.8	963.0	969.1	975.2
17.5°	899.8	901.8	912.0	920.2	926.3
20°	840.6	846.7	856.9	867.1	873.2
22.5°	783.5	787.5	801.8	814.1	820.2
25°	724.3	732.5	744.7	759.0	765.1
27.5°	667.2	675.3	687.6	701.9	712.1
30°	612.1	618.2	634.5	648.8	654.9
32.5°	557.0	565.2	581.5	595.8	603.9
35°	510.1	516.2	532.5	546.8	555.0
37.5°	463.1	469.3	485.6	497.8	503.9
40°	416.2	426.4	438.7	450.9	457.0
42.5°	377.5	385.6	397.9	408.1	414.2
45°	340.7	346.8	359.1	367.2	371.3
47.5°	306.0	312.2	324.4	328.5	330.5
50°	273.4	279.5	287.7	289.7	291.8
52.5°	242.8	246.9	255.0	255.0	253.0
55°	214.2	220.3	226.5	224.4	220.3
57.5°	187.7	189.7	199.9	195.9	191.8
60°	161.2	165.3	173.4	169.3	165.3
62.5°	134.7	138.7	148.9	144.9	138.7
65°	108.1	116.3	126.5	120.4	114.3
67.5°	81.6	91.8	102.0	95.9	91.8
70°	63.2	71.4	79.6	73.4	69.4
72.5°	49.0	53.0	57.1	53.0	49.0
75°	36.7	38.8	38.8	34.7	32.6
77.5°	26.5	28.6	24.5	20.4	20.4
80°	16.3	18.4	16.3	12.2	12.2
82.5°	8.2	10.2	8.2	8.2	8.2
85°	4.1	4.1	4.1	4.1	4.1
87.5°	2.0	2.0	2.0	2.0	2.0



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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)