

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: P1309661

Luminaire Tested: P3SQAS24R709035D010 E3SQCLDWW1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309661
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: P3SQAS24R709035D010 E3SQCLDWW1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3SQCLDWW1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

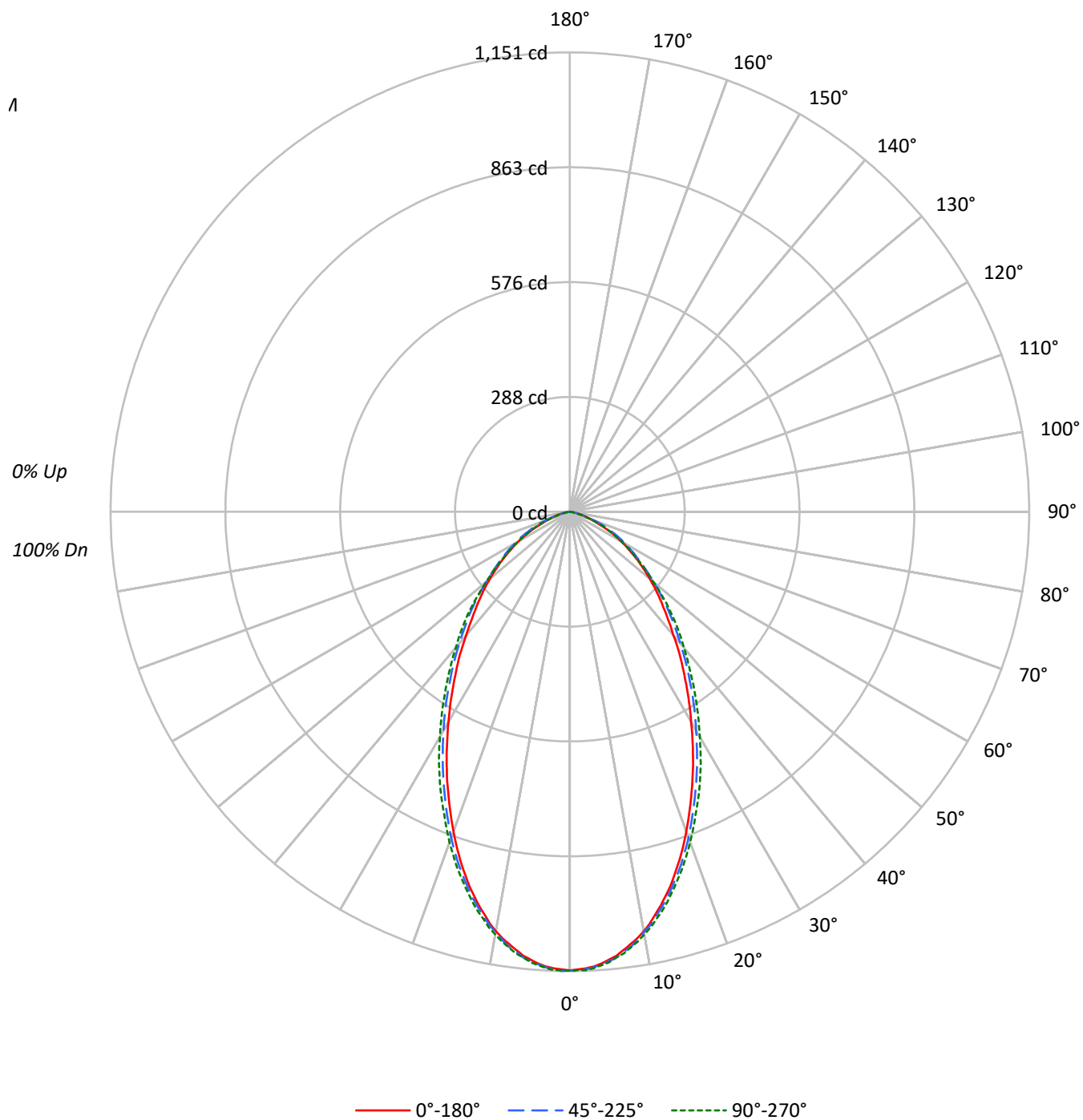
Lumens per Lamp: N/A
Luminaire Lumens: 1645.0 lumens
Efficiency: N/A
Efficacy: 57.1 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	197901	197901	197901
5°	194767	195476	195822
10°	186666	187034	188100
15°	173217	174679	176123
20°	156352	159358	161594
25°	138453	142330	145826
30°	120950	125822	129481
35°	105123	110715	114142
40°	90850	96808	100023
45°	79547	85002	87487
50°	69984	73279	73279
55°	60683	63745	61884
60°	51322	54836	52011
65°	39936	45764	41566
70°	28752	33939	28752
75°	21759	20362	16303
80°	14183	10116	4066
85°	3952	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 87487 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.9	6.4
10°-20°	273.4	16.6
20°-30°	343.3	20.9
30°-40°	327.8	19.9
40°-50°	266.6	16.2
50°-60°	186.6	11.3
60°-70°	105.4	6.4
70°-80°	33.4	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°	722.7	43.9
0°-40°	1050.5	63.9
0°-60°	1503.7	91.4
0°-90°	1645.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1645.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1149	1149	1149	1149	1149	
5°	1127	1129	1131	1129	1133	106
15°	972	974	980	982	988	271
25°	729	737	749	761	767	334
35°	500	508	527	537	543	314
45°	327	335	349	355	359	253
55°	202	204	212	208	206	181
65°	98	104	112	106	102	98
75°	33	33	31	26	24	35
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°	1149.1	1149.1	1149.1	1149.1	1149.1
1°	1147.0	1149.1	1151.1	1147.0	1149.1
2°	1145.0	1147.0	1147.0	1145.0	1149.1
3°	1140.9	1142.9	1142.9	1140.9	1145.0
4°	1134.8	1136.8	1136.8	1134.8	1138.9
5°	1126.6	1128.7	1130.7	1128.7	1132.7
6°	1118.5	1120.5	1122.5	1120.5	1122.5
7°	1106.2	1110.3	1110.3	1110.3	1114.4
8°	1094.0	1098.0	1100.1	1098.0	1102.1
9°	1081.7	1083.8	1085.8	1085.8	1089.9
10°	1067.4	1069.5	1069.5	1071.5	1075.6
11°	1051.1	1051.1	1055.2	1055.2	1061.3
12°	1030.7	1032.7	1036.8	1038.9	1042.9
13°	1012.3	1014.4	1018.5	1020.5	1026.6
14°	991.9	996.0	1000.1	1002.1	1008.2
15°	971.5	973.5	979.7	981.7	987.8
17.5°	914.4	916.4	926.6	930.7	936.8
20°	853.1	859.3	869.5	875.6	881.7
22.5°	789.9	796.0	808.2	818.4	822.5
25°	728.6	736.8	749.0	761.3	767.4
27.5°	667.4	675.6	689.9	702.1	710.3
30°	608.2	616.4	632.7	642.9	651.1
32.5°	553.1	561.3	579.6	589.8	596.0
35°	500.0	508.2	526.6	536.8	542.9
37.5°	453.1	461.3	477.6	487.8	491.9
40°	404.1	414.3	430.6	440.9	444.9
42.5°	363.3	371.5	387.8	396.0	402.1
45°	326.6	334.7	349.0	355.1	359.2
47.5°	293.9	298.0	310.2	312.3	316.4
50°	261.2	265.3	273.5	275.5	273.5
52.5°	230.6	234.7	240.8	238.8	238.8
55°	202.1	204.1	212.3	208.2	206.1
57.5°	173.5	177.6	185.7	179.6	177.6
60°	149.0	153.1	159.2	155.1	151.0
62.5°	124.5	126.5	136.7	128.6	124.5
65°	98.0	104.1	112.3	106.1	102.0
67.5°	73.5	83.7	91.8	83.7	79.6
70°	57.1	61.2	67.4	63.3	57.1
72.5°	42.9	44.9	46.9	42.9	38.8
75°	32.7	32.7	30.6	26.5	24.5
77.5°	22.5	22.5	18.4	12.2	12.2
80°	14.3	14.3	10.2	4.1	4.1
82.5°	6.1	6.1	4.1	2.0	2.0
85°	2.0	2.0	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)