

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: P1310781

Luminaire Tested: P3SQAS24R709040D010 E3SQCLDWW1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310781
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: P3SQAS24R709040D010 E3SQCLDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , E3SQCLDWW1MW TRI
Light Source: -
Ballast/Driver: -

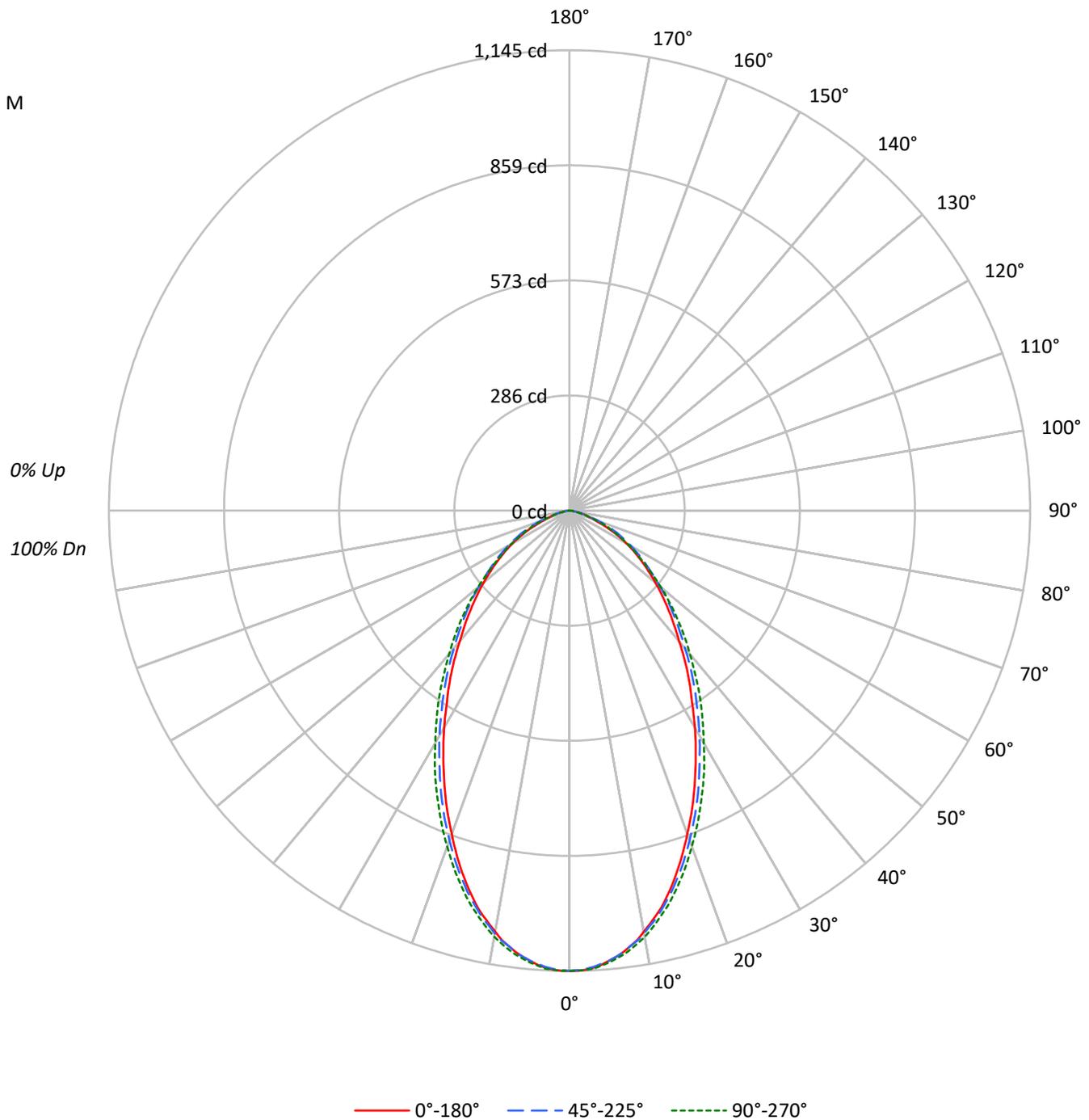
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1719.0 lumens
Efficiency: N/A
Efficacy: 59.7 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 (A_{in}): 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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	104	101	109	105	102	99	101	98	96	97	95	93	94	92	91	89
2	103	96	91	86	101	95	89	85	91	87	83	88	84	81	85	82	80	78
3	95	87	80	75	93	85	79	74	82	77	73	80	75	71	77	74	70	68
4	89	78	71	65	87	77	70	65	75	69	64	73	67	63	71	66	62	61
5	83	71	64	58	81	70	63	58	68	62	57	67	61	57	65	60	56	54
6	77	65	58	52	75	64	57	52	63	56	51	61	55	51	60	55	51	49
7	72	60	52	47	70	59	52	47	58	51	47	57	51	46	55	50	46	44
8	68	56	48	43	66	55	48	43	54	47	42	53	47	42	51	46	42	40
9	64	52	44	39	62	51	44	39	50	44	39	49	43	39	48	43	39	37
10	60	48	41	36	59	48	41	36	47	40	36	46	40	36	45	40	36	34

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	197160	197160	197160
5°	194335	194335	195044
10°	186037	186771	188223
15°	173377	174857	177086
20°	156884	159945	162987
25°	140164	144116	148069
30°	123953	128507	132643
35°	109201	114016	118809
40°	95301	100427	104632
45°	84515	89070	92090
50°	74592	78504	79602
55°	65517	69240	67379
60°	56523	60829	57970
65°	44867	52488	47435
70°	32428	40787	35550
75°	24887	26284	22092
80°	16464	16464	12397
85°	8299	8299	8299

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 92090 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.5	6.1
10°-20°	274.0	15.9
20°-30°	348.1	20.3
30°-40°	338.7	19.7
40°-50°	281.6	16.4
50°-60°	203.1	11.8
60°-70°	119.5	7.0
70°-80°	42.3	2.5
80°-90°	6.2	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°	727.7	42.3
0°-40°	1066.3	62.0
0°-60°	1551.0	90.2
0°-90°	1719.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1719.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1145	1145	1145	1145	1145	
5°	1124	1122	1124	1124	1128	105
15°	972	972	981	987	993	271
25°	738	746	758	773	779	339
35°	519	526	542	557	565	325
45°	347	353	366	374	378	268
55°	218	224	231	229	224	196
65°	110	118	129	123	116	110
75°	37	40	40	35	33	41
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°	1144.8	1144.8	1144.8	1144.8	1144.8
1°	1144.8	1142.8	1142.8	1142.8	1144.8
2°	1142.8	1140.7	1140.7	1140.7	1142.8
3°	1138.6	1136.5	1136.5	1136.5	1140.7
4°	1132.4	1128.2	1130.3	1130.3	1134.4
5°	1124.1	1122.0	1124.1	1124.1	1128.2
6°	1115.7	1113.7	1115.7	1115.7	1119.9
7°	1105.4	1103.3	1105.4	1107.4	1111.6
8°	1092.9	1090.8	1092.9	1095.0	1101.2
9°	1080.4	1078.3	1082.5	1084.6	1088.7
10°	1063.8	1063.8	1068.0	1070.0	1076.3
11°	1047.2	1047.2	1051.3	1055.5	1061.7
12°	1030.6	1030.6	1036.8	1040.9	1045.1
13°	1013.9	1011.9	1018.1	1022.2	1028.5
14°	993.2	991.1	999.4	1005.6	1011.9
15°	972.4	972.4	980.7	986.9	993.2
17.5°	916.3	918.4	928.7	937.1	943.3
20°	856.0	862.3	872.7	883.0	889.3
22.5°	797.9	802.0	816.6	829.0	835.3
25°	737.6	745.9	758.4	772.9	779.2
27.5°	679.4	687.7	700.2	714.7	725.1
30°	623.3	629.6	646.2	660.7	667.0
32.5°	567.2	575.5	592.2	606.7	615.0
35°	519.4	525.7	542.3	556.8	565.1
37.5°	471.6	477.9	494.5	507.0	513.2
40°	423.9	434.2	446.7	459.2	465.4
42.5°	384.4	392.7	405.2	415.5	421.8
45°	347.0	353.2	365.7	374.0	378.1
47.5°	311.7	317.9	330.4	334.5	336.6
50°	278.4	284.7	293.0	295.0	297.1
52.5°	247.3	251.4	259.7	259.7	257.6
55°	218.2	224.4	230.6	228.6	224.4
57.5°	191.2	193.2	203.6	199.5	195.3
60°	164.1	168.3	176.6	172.5	168.3
62.5°	137.1	141.3	151.7	147.5	141.3
65°	110.1	118.4	128.8	122.6	116.4
67.5°	83.1	93.5	103.9	97.7	93.5
70°	64.4	72.7	81.0	74.8	70.6
72.5°	49.9	54.0	58.2	54.0	49.9
75°	37.4	39.5	39.5	35.3	33.2
77.5°	27.0	29.1	24.9	20.8	20.8
80°	16.6	18.7	16.6	12.5	12.5
82.5°	8.3	10.4	8.3	8.3	8.3
85°	4.2	4.2	4.2	4.2	4.2
87.5°	2.1	2.1	2.1	2.1	2.1



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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)