

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: P1309584

Luminaire Tested: P3SQAS24R309035D010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309584
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R309035D010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

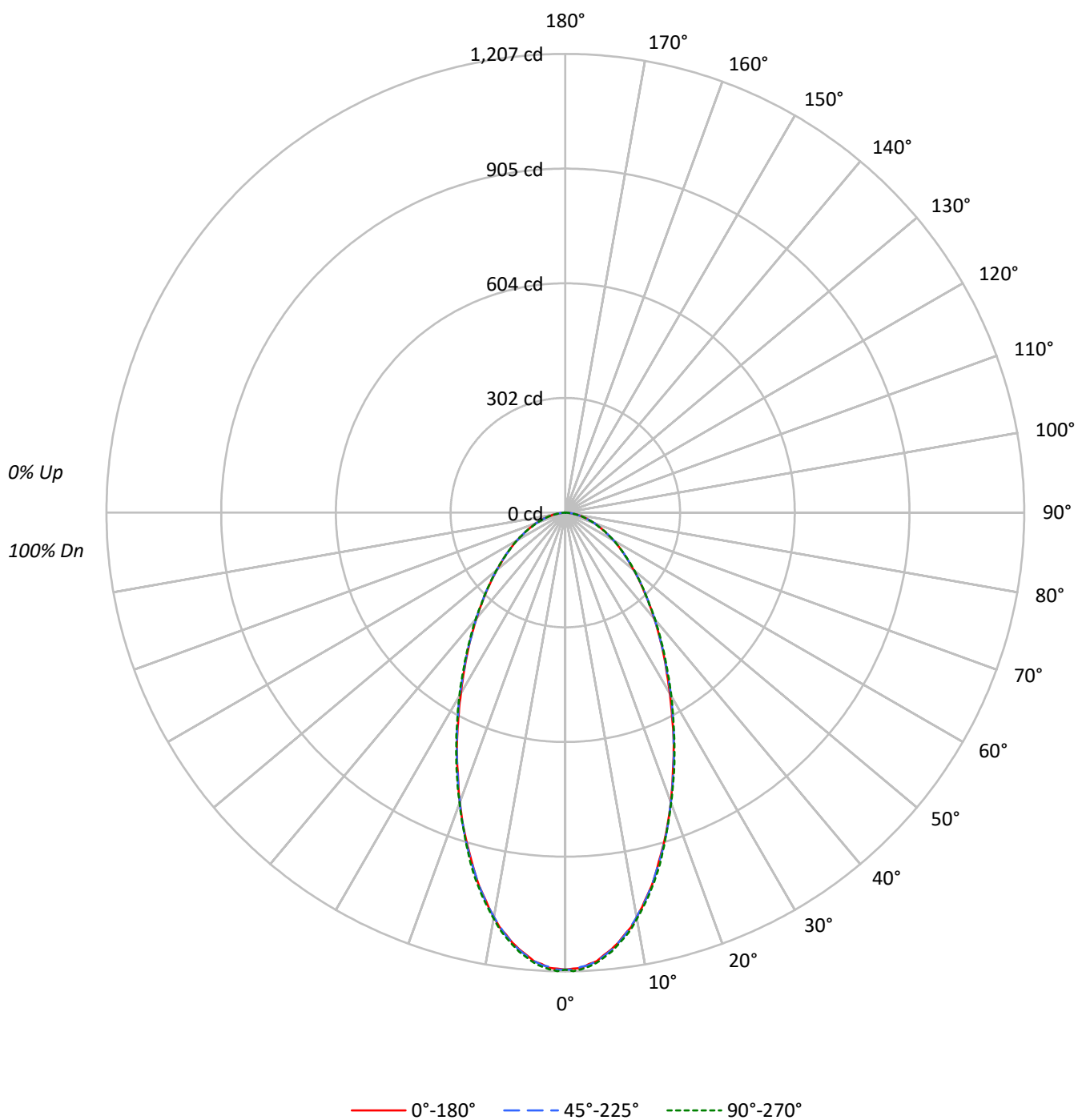
Lumens per Lamp: N/A
Luminaire Lumens: 1544.0 lumens
Efficiency: N/A
Efficacy: 53.6 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	103	100	108	105	102	99	101	98	96		97	95	93		93
2	103	96	90	85	100	94	89	84	91	86	83		87	84	81		85
3	95	86	80	74	93	85	79	74	82	77	72		79	75	71		77
4	89	78	71	65	86	77	70	65	75	69	64		73	67	63		71
5	83	72	64	58	81	71	63	58	69	62	57		67	61	57		65
6	77	66	58	52	76	65	58	52	63	57	52		62	56	51		60
7	72	61	53	48	71	60	53	47	58	52	47		57	51	47		56
8	68	56	49	44	67	56	48	43	54	48	43		53	47	43		52
9	64	52	45	40	63	52	45	40	51	44	40		50	44	40		49
10	61	49	42	37	60	48	42	37	48	41	37		47	41	37		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	207081	207081	207081
5°	201976	202339	203083
10°	188992	188992	189744
15°	169454	169847	170988
20°	148746	148746	149131
25°	128249	128249	129066
30°	109157	110430	110848
35°	94295	94736	95199
40°	81632	82105	82599
45°	71266	71777	71777
50°	62937	62937	63526
55°	56419	56419	56419
60°	50771	50771	50771
65°	45275	45275	45275
70°	40888	40888	40888
75°	36931	35533	35533
80°	31737	29655	29655
85°	21144	21144	21144

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 71777 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.9	7.1
10°-20°	265.5	17.2
20°-30°	310.1	20.1
30°-40°	282.1	18.3
40°-50°	227.9	14.8
50°-60°	168.3	10.9
60°-70°	110.8	7.2
70°-80°	57.3	3.7
80°-90°	13.0	0.8
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°	684.5	44.3
0°-40°	966.6	62.6
0°-60°	1362.8	88.3
0°-90°	1544.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1544.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1202	1202	1202	1202	1202	
5°	1168	1168	1170	1170	1175	109
15°	950	953	953	953	959	265
25°	675	673	675	675	679	309
35°	448	446	451	451	453	281
45°	293	295	295	295	295	227
55°	188	186	188	186	188	169
65°	111	111	111	111	111	111
75°	56	53	53	53	53	59
85°	11	11	11	11	11	13
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1202.4	1202.4	1202.4	1202.4	1202.4
1°	1200.3	1200.3	1202.4	1200.3	1206.7
2°	1198.2	1196.0	1196.0	1196.0	1202.4
3°	1189.6	1189.6	1191.8	1189.6	1196.0
4°	1183.2	1181.1	1183.2	1181.1	1187.5
5°	1168.3	1168.3	1170.4	1170.4	1174.7
6°	1155.5	1155.5	1157.6	1155.5	1161.9
7°	1140.5	1140.5	1140.5	1140.5	1144.8
8°	1121.3	1121.3	1123.4	1123.4	1127.7
9°	1104.2	1102.1	1102.1	1102.1	1108.5
10°	1080.7	1080.7	1080.7	1080.7	1085.0
11°	1057.2	1057.2	1057.2	1057.2	1061.5
12°	1031.6	1031.6	1033.7	1031.6	1038.0
13°	1008.1	1008.1	1008.1	1008.1	1012.4
14°	980.3	978.2	980.3	980.3	986.7
15°	950.4	952.6	952.6	952.6	959.0
17.5°	882.1	882.1	884.2	879.9	884.2
20°	811.6	809.5	811.6	811.6	813.7
22.5°	739.0	741.1	741.1	741.1	745.4
25°	674.9	672.8	674.9	674.9	679.2
27.5°	608.7	610.8	613.0	610.8	615.1
30°	548.9	553.2	555.3	551.0	557.4
32.5°	495.5	495.5	497.6	499.8	501.9
35°	448.5	446.4	450.6	450.6	452.8
37.5°	403.7	403.7	403.7	405.8	407.9
40°	363.1	363.1	365.2	365.2	367.4
42.5°	326.8	324.6	326.8	326.8	326.8
45°	292.6	294.7	294.7	294.7	294.7
47.5°	262.7	262.7	264.8	262.7	264.8
50°	234.9	234.9	234.9	234.9	237.1
52.5°	209.3	209.3	209.3	209.3	211.4
55°	187.9	185.8	187.9	185.8	187.9
57.5°	166.6	166.6	166.6	166.6	166.6
60°	147.4	145.2	147.4	145.2	147.4
62.5°	128.1	128.1	128.1	128.1	128.1
65°	111.1	111.1	111.1	111.1	111.1
67.5°	96.1	96.1	96.1	94.0	94.0
70°	81.2	81.2	81.2	81.2	81.2
72.5°	68.3	66.2	66.2	66.2	66.2
75°	55.5	53.4	53.4	53.4	53.4
77.5°	42.7	42.7	40.6	40.6	42.7
80°	32.0	29.9	29.9	29.9	29.9
82.5°	19.2	19.2	19.2	19.2	19.2
85°	10.7	10.7	10.7	10.7	10.7
87.5°	2.1	2.1	2.1	4.3	4.3



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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)