

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: P1309515

Luminaire Tested: P3SQAS20R709035D010 E3SQCLDWW1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309515
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: P3SQAS20R709035D010 E3SQCLDWW1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3SQCLDWW1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

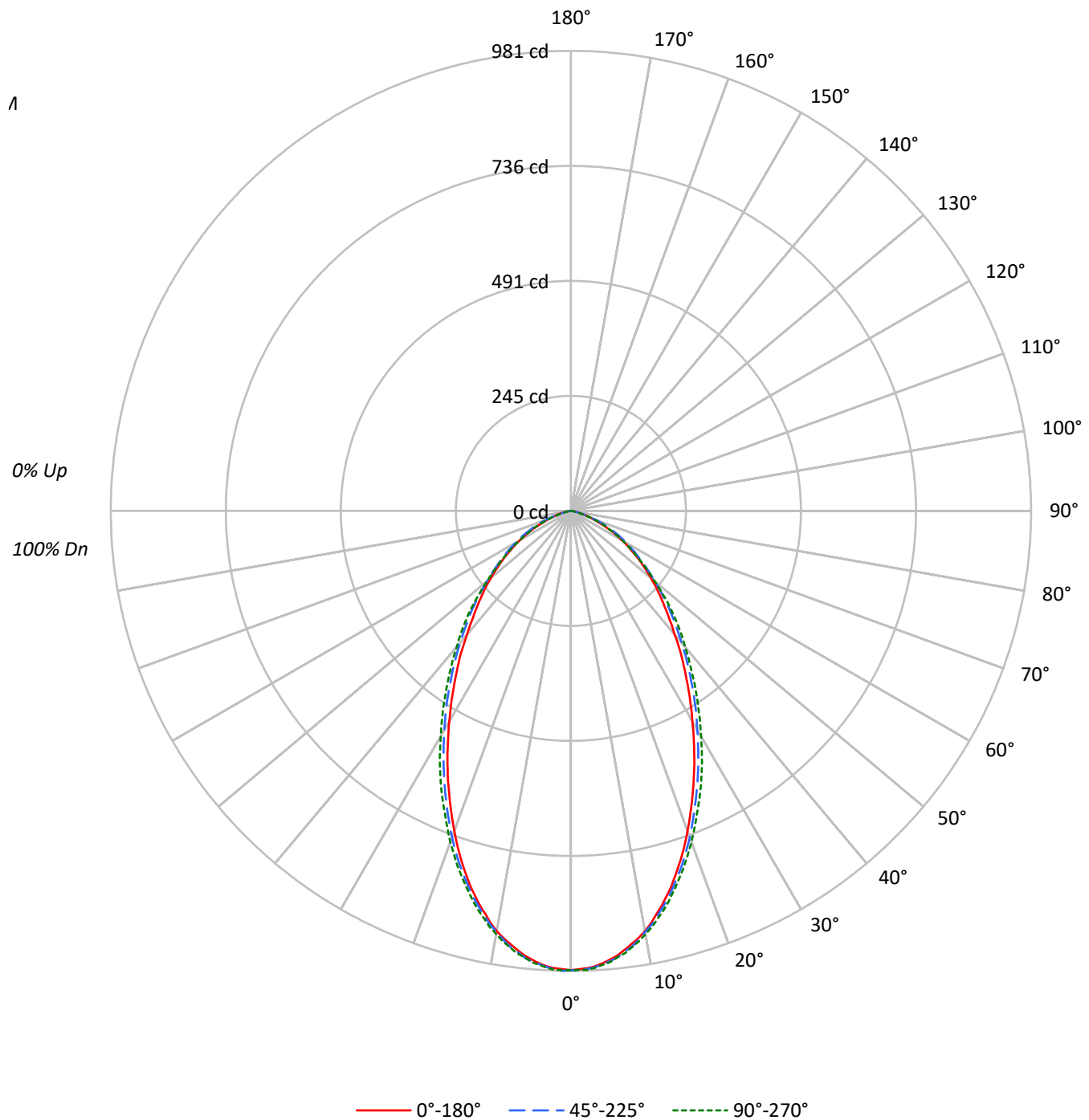
Lumens per Lamp: N/A
Luminaire Lumens: 1402.0 lumens
Efficiency: N/A
Efficacy: 48.7 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	168658	168658	168658
5°	166000	166605	166899
10°	159105	159403	160312
15°	147631	148879	150109
20°	133260	135807	137732
25°	118007	121313	124277
30°	103092	107228	110351
35°	89606	94358	97280
40°	77428	82509	85252
45°	67783	72459	74554
50°	59668	62455	62455
55°	51705	54317	52756
60°	43745	46741	44330
65°	34027	38999	35454
70°	24523	28904	24523
75°	18499	17367	13907
80°	12100	8629	3471
85°	3359	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 74554 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.3	6.4
10°-20°	233.1	16.6
20°-30°	292.6	20.9
30°-40°	279.4	19.9
40°-50°	227.2	16.2
50°-60°	159.0	11.3
60°-70°	89.8	6.4
70°-80°	28.4	2.0
80°-90°	2.2	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°	615.9	43.9
0°-40°	895.3	63.9
0°-60°	1281.5	91.4
0°-90°	1402.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1402.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	979	979	979	979	979	
5°	960	962	964	962	965	90
15°	828	830	835	837	842	231
25°	621	628	638	649	654	285
35°	426	433	449	458	463	267
45°	278	285	298	303	306	216
55°	172	174	181	177	176	154
65°	84	89	96	90	87	84
75°	28	28	26	23	21	30
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°	979.3	979.3	979.3	979.3	979.3
1°	977.6	979.3	981.1	977.6	979.3
2°	975.9	977.6	977.6	975.9	979.3
3°	972.4	974.1	974.1	972.4	975.9
4°	967.2	968.9	968.9	967.2	970.6
5°	960.2	961.9	963.7	961.9	965.4
6°	953.2	955.0	956.7	955.0	956.7
7°	942.8	946.3	946.3	946.3	949.8
8°	932.4	935.8	937.6	935.8	939.3
9°	921.9	923.7	925.4	925.4	928.9
10°	909.8	911.5	911.5	913.2	916.7
11°	895.8	895.8	899.3	899.3	904.5
12°	878.4	880.2	883.7	885.4	888.9
13°	862.8	864.5	868.0	869.7	875.0
14°	845.4	848.9	852.3	854.1	859.3
15°	828.0	829.7	835.0	836.7	841.9
17.5°	779.3	781.0	789.7	793.2	798.4
20°	727.1	732.3	741.0	746.2	751.5
22.5°	673.2	678.4	688.8	697.5	701.0
25°	621.0	628.0	638.4	648.8	654.0
27.5°	568.8	575.8	587.9	598.4	605.3
30°	518.4	525.3	539.2	547.9	554.9
32.5°	471.4	478.4	494.0	502.7	507.9
35°	426.2	433.1	448.8	457.5	462.7
37.5°	386.2	393.1	407.0	415.7	419.2
40°	344.4	353.1	367.0	375.7	379.2
42.5°	309.6	316.6	330.5	337.5	342.7
45°	278.3	285.3	297.5	302.7	306.1
47.5°	250.5	254.0	264.4	266.1	269.6
50°	222.7	226.1	233.1	234.8	233.1
52.5°	196.6	200.0	205.3	203.5	203.5
55°	172.2	173.9	180.9	177.4	175.7
57.5°	147.9	151.3	158.3	153.1	151.3
60°	127.0	130.5	135.7	132.2	128.7
62.5°	106.1	107.8	116.5	109.6	106.1
65°	83.5	88.7	95.7	90.5	87.0
67.5°	62.6	71.3	78.3	71.3	67.8
70°	48.7	52.2	57.4	53.9	48.7
72.5°	36.5	38.3	40.0	36.5	33.1
75°	27.8	27.8	26.1	22.6	20.9
77.5°	19.1	19.1	15.7	10.4	10.4
80°	12.2	12.2	8.7	3.5	3.5
82.5°	5.2	5.2	3.5	1.7	1.7
85°	1.7	1.7	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)