

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: P1309517

Luminaire Tested: P3SQAS20R709035D010 E3SQCLDWW1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309517
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: P3SQAS20R709035D010 E3SQCLDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3SQCLDWW1MW TRI
Light Source: -
Ballast/Driver: -

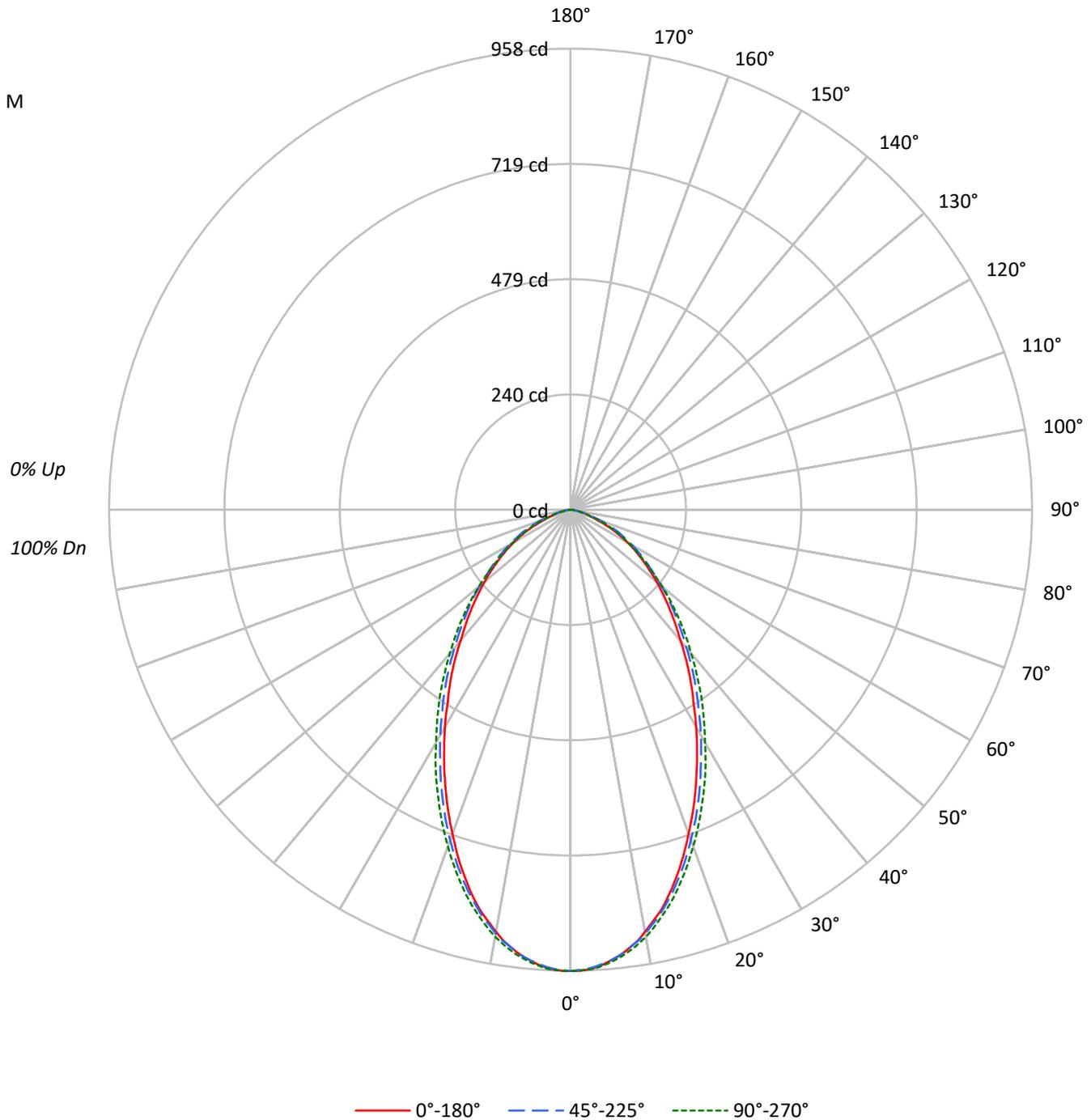
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1439.0 lumens
Efficiency: N/A
Efficacy: 50.0 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

TEST NUMBER: P1309517
CATALOG NUMBER: P3SQAS20R709035D010 E3SQCLDWW1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1309517

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	165058	165058	165058
5°	162681	162681	163268
10°	155730	156342	157566
15°	145135	146383	148237
20°	131335	133883	136430
25°	117341	120629	123935
30°	103768	107566	111027
35°	91415	95451	99467
40°	79766	84083	87590
45°	70754	74554	77111
50°	62455	65697	66634
55°	54828	57980	56389
60°	47327	50909	48532
65°	37573	43930	39692
70°	27141	34140	29760
75°	20828	21959	18499
80°	13786	13786	10315
85°	6916	6916	6916

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 77111 cd/sqm



TEST NUMBER: P1309517

CATALOG NUMBER: P3SQAS20R709035D010 E3SQCLDWW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.3	6.1
10°-20°	229.4	15.9
20°-30°	291.4	20.3
30°-40°	283.5	19.7
40°-50°	235.7	16.4
50°-60°	170.0	11.8
60°-70°	100.0	7.0
70°-80°	35.4	2.5
80°-90°	5.2	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°	609.1	42.3
0°-40°	892.6	62.0
0°-60°	1298.3	90.2
0°-90°	1439.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1439.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	958	958	958	958	958	
5°	941	939	941	941	944	88
15°	814	814	821	826	831	227
25°	618	624	635	647	652	284
35°	435	440	454	466	473	272
45°	290	296	306	313	317	225
55°	183	188	193	191	188	164
65°	92	99	108	103	97	92
75°	31	33	33	30	28	34
85°	4	4	4	4	4	5
90°	0	0	0	0	0	



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 CATALOG NUMBER: P3SQAS20R709035D010 E3SQCLDWW1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	958.4	958.4	958.4	958.4	958.4
1°	958.4	956.6	956.6	956.6	958.4
2°	956.6	954.9	954.9	954.9	956.6
3°	953.1	951.4	951.4	951.4	954.9
4°	947.9	944.4	946.2	946.2	949.7
5°	941.0	939.2	941.0	941.0	944.4
6°	934.0	932.3	934.0	934.0	937.5
7°	925.3	923.6	925.3	927.1	930.5
8°	914.9	913.1	914.9	916.6	921.8
9°	904.4	902.7	906.2	907.9	911.4
10°	890.5	890.5	894.0	895.7	901.0
11°	876.6	876.6	880.1	883.6	888.8
12°	862.7	862.7	867.9	871.4	874.9
13°	848.8	847.0	852.3	855.7	861.0
14°	831.4	829.6	836.6	841.8	847.0
15°	814.0	814.0	821.0	826.2	831.4
17.5°	767.0	768.8	777.5	784.4	789.6
20°	716.6	721.8	730.5	739.2	744.4
22.5°	667.9	671.4	683.5	694.0	699.2
25°	617.5	624.4	634.8	647.0	652.2
27.5°	568.8	575.7	586.1	598.3	607.0
30°	521.8	527.0	540.9	553.1	558.3
32.5°	474.8	481.8	495.7	507.9	514.8
35°	434.8	440.0	454.0	466.1	473.1
37.5°	394.8	400.0	414.0	424.4	429.6
40°	354.8	363.5	374.0	384.4	389.6
42.5°	321.8	328.7	339.2	347.9	353.1
45°	290.5	295.7	306.1	313.1	316.6
47.5°	260.9	266.1	276.5	280.0	281.8
50°	233.1	238.3	245.2	247.0	248.7
52.5°	207.0	210.5	217.4	217.4	215.7
55°	182.6	187.8	193.1	191.3	187.8
57.5°	160.0	161.8	170.5	167.0	163.5
60°	137.4	140.9	147.8	144.4	140.9
62.5°	114.8	118.3	127.0	123.5	118.3
65°	92.2	99.1	107.8	102.6	97.4
67.5°	69.6	78.3	87.0	81.7	78.3
70°	53.9	60.9	67.8	62.6	59.1
72.5°	41.7	45.2	48.7	45.2	41.7
75°	31.3	33.0	33.0	29.6	27.8
77.5°	22.6	24.4	20.9	17.4	17.4
80°	13.9	15.7	13.9	10.4	10.4
82.5°	7.0	8.7	7.0	7.0	7.0
85°	3.5	3.5	3.5	3.5	3.5
87.5°	1.7	1.7	1.7	1.7	1.7



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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)