

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: P1314774

Luminaire Tested: P3SQAS20R709735D010 E3SQCLDWW1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314774
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: P3SQAS20R709735D010 E3SQCLDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , E3SQCLDWW1MW TRI
Light Source: -
Ballast/Driver: -

Summary

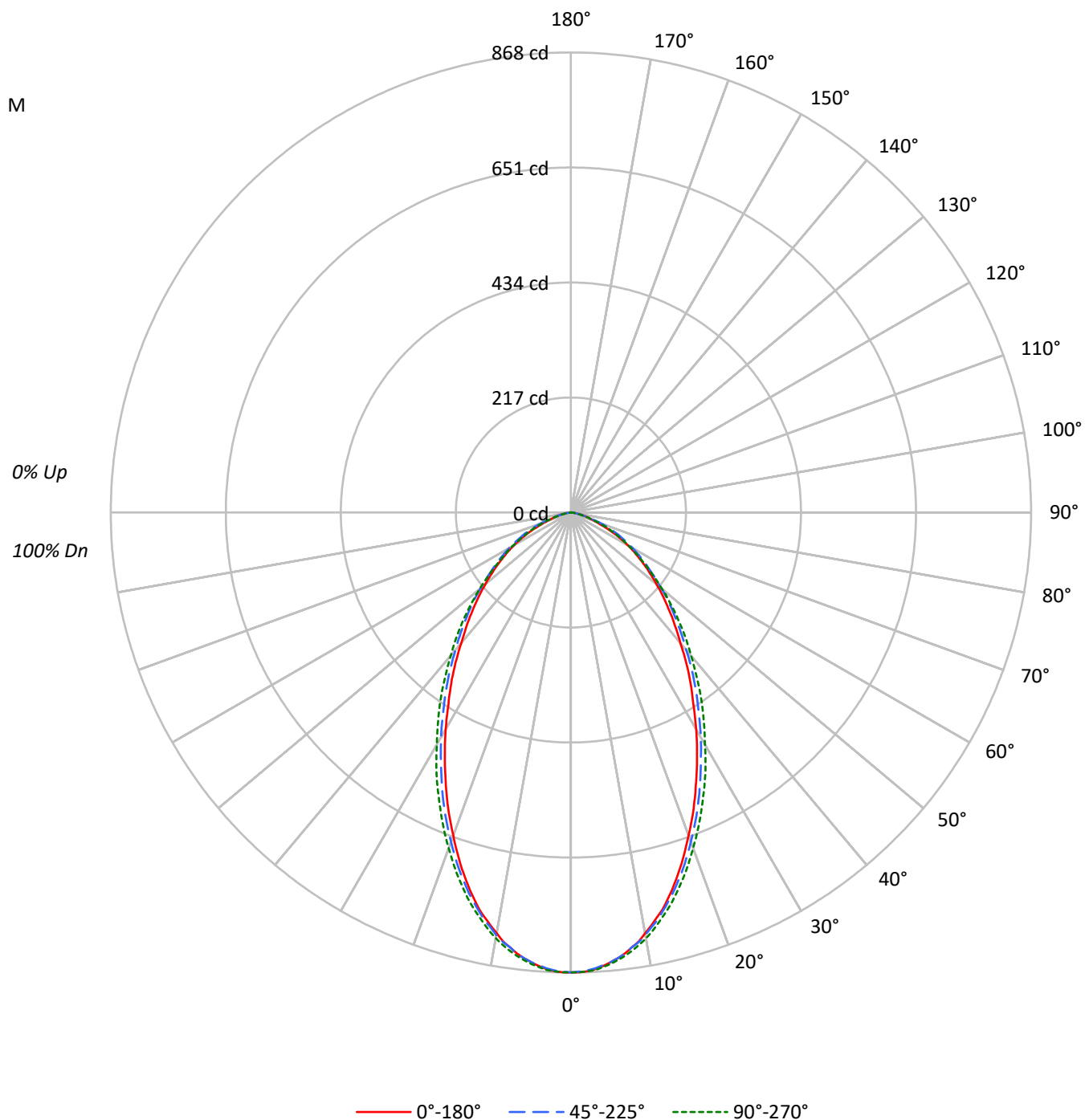
Lumens per Lamp: N/A
Luminaire Lumens: 1303.0 lumens
Efficiency: N/A
Efficacy: 45.2 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
Input Voltage (V): NR
Input Current (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

TEST NUMBER: P1314774

CATALOG NUMBER: P3SQAS20R709735D010 E3SQCLDWW1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1314774

CATALOG NUMBER: P3SQAS20R709735D010 E3SQCLDWW1MW

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	149455	149455	149455
5°	147294	147294	147847
10°	141023	141565	142667
15°	131423	132547	134223
20°	118927	121237	123546
25°	106244	109227	112230
30°	93964	97404	100546
35°	82773	86432	90069
40°	72235	76124	79317
45°	64056	67515	69804
50°	56533	59507	60338
55°	49663	52486	51074
60°	42849	46121	43951
65°	34027	39773	35943
70°	24573	30918	26940
75°	18831	19896	16769
80°	12497	12497	9323
85°	6126	6126	6126

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 69804 cd/sqm

TEST NUMBER: P1314774

CATALOG NUMBER: P3SQAS20R709735D010 E3SQCLDWW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.0	6.1
10°-20°	207.7	15.9
20°-30°	263.9	20.3
30°-40°	256.7	19.7
40°-50°	213.4	16.4
50°-60°	153.9	11.8
60°-70°	90.6	7.0
70°-80°	32.1	2.5
80°-90°	4.7	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°	551.6	42.3
0°-40°	808.3	62.0
0°-60°	1175.7	90.2
0°-90°	1303.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1303.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	868	868	868	868	868	
5°	852	850	852	852	855	80
15°	737	737	743	748	753	206
25°	559	565	575	586	591	257
35°	394	398	411	422	428	246
45°	263	268	277	284	287	203
55°	165	170	175	173	170	149
65°	84	90	98	93	88	83
75°	28	30	30	27	25	31
85°	3	3	3	3	3	5
90°	0	0	0	0	0	

TEST NUMBER: P1314774

CATALOG NUMBER: P3SQAS20R709735D010 E3SQCLDWW1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	867.8	867.8	867.8	867.8	867.8
1°	867.8	866.2	866.2	866.2	867.8
2°	866.2	864.6	864.6	864.6	866.2
3°	863.1	861.5	861.5	861.5	864.6
4°	858.3	855.2	856.8	856.8	859.9
5°	852.0	850.5	852.0	852.0	855.2
6°	845.7	844.2	845.7	845.7	848.9
7°	837.9	836.3	837.9	839.4	842.6
8°	828.4	826.8	828.4	830.0	834.7
9°	819.0	817.4	820.5	822.1	825.3
10°	806.4	806.4	809.5	811.1	815.8
11°	793.8	793.8	796.9	800.1	804.8
12°	781.2	781.2	785.9	789.0	792.2
13°	768.6	767.0	771.7	774.9	779.6
14°	752.8	751.2	757.5	762.3	767.0
15°	737.1	737.1	743.4	748.1	752.8
17.5°	694.5	696.1	704.0	710.3	715.0
20°	648.9	653.6	661.5	669.3	674.1
22.5°	604.8	607.9	618.9	628.4	633.1
25°	559.1	565.4	574.8	585.9	590.6
27.5°	515.0	521.3	530.7	541.8	549.6
30°	472.5	477.2	489.8	500.8	505.6
32.5°	430.0	436.3	448.9	459.9	466.2
35°	393.7	398.5	411.1	422.1	428.4
37.5°	357.5	362.2	374.8	384.3	389.0
40°	321.3	329.2	338.6	348.1	352.8
42.5°	291.4	297.7	307.1	315.0	319.7
45°	263.0	267.7	277.2	283.5	286.6
47.5°	236.2	241.0	250.4	253.6	255.1
50°	211.0	215.8	222.1	223.6	225.2
52.5°	187.4	190.6	196.9	196.9	195.3
55°	165.4	170.1	174.8	173.2	170.1
57.5°	144.9	146.5	154.3	151.2	148.0
60°	124.4	127.6	133.9	130.7	127.6
62.5°	103.9	107.1	115.0	111.8	107.1
65°	83.5	89.8	97.6	92.9	88.2
67.5°	63.0	70.9	78.7	74.0	70.9
70°	48.8	55.1	61.4	56.7	53.5
72.5°	37.8	40.9	44.1	40.9	37.8
75°	28.3	29.9	29.9	26.8	25.2
77.5°	20.5	22.0	18.9	15.7	15.7
80°	12.6	14.2	12.6	9.4	9.4
82.5°	6.3	7.9	6.3	6.3	6.3
85°	3.1	3.1	3.1	3.1	3.1
87.5°	1.6	1.6	1.6	1.6	1.6



TEST NUMBER: P1314774

CATALOG NUMBER: P3SQAS20R709735D010 E3SQCLDWW1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)