

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: P1317498

Luminaire Tested: P3SQAS20R709830D010 E3SQCLDWW1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317498
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: P3SQAS20R709830D010 E3SQCLDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , E3SQCLDWW1MW TRI
Light Source: -
Ballast/Driver: -

Summary

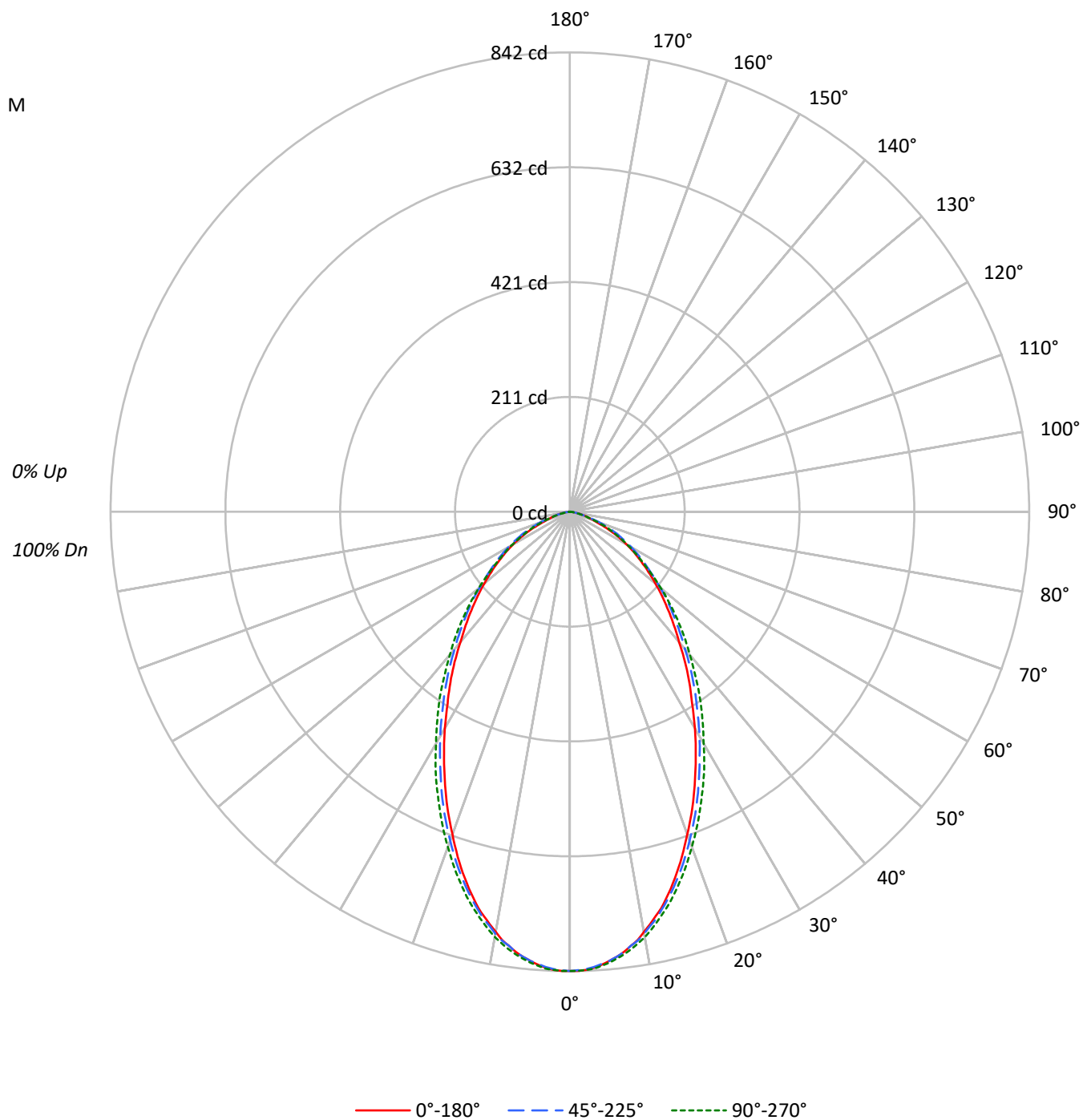
Lumens per Lamp: N/A
Luminaire Lumens: 1264.0 lumens
Efficiency: N/A
Efficacy: 46.1 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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: P1317498

CATALOG NUMBER: P3SQAS20R709830D010 E3SQCLDWW1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1317498

CATALOG NUMBER: P3SQAS20R709830D010 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	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		
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°	144977	144977	144977
5°	142886	142886	143422
10°	136791	137333	138400
15°	127483	128571	130211
20°	115354	117608	119844
25°	103070	105959	108866
30°	91140	94481	97524
35°	80293	83846	87378
40°	70077	73854	76934
45°	62132	65493	67734
50°	54845	57712	58543
55°	48162	50924	49543
60°	41575	44743	42642
65°	33009	38592	34883
70°	23868	30011	26134
75°	18299	19297	16236
80°	12100	12100	9124
85°	6126	6126	6126

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 67734 cd/sqm

TEST NUMBER: P1317498

CATALOG NUMBER: P3SQAS20R709830D010 E3SQCLDWW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.6	6.1
10°-20°	201.5	15.9
20°-30°	256.0	20.3
30°-40°	249.0	19.7
40°-50°	207.1	16.4
50°-60°	149.3	11.8
60°-70°	87.9	7.0
70°-80°	31.1	2.5
80°-90°	4.6	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°	535.1	42.3
0°-40°	784.1	62.0
0°-60°	1140.5	90.2
0°-90°	1264.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1264.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	842	842	842	842	842	
5°	826	825	826	826	830	78
15°	715	715	721	726	730	199
25°	542	548	558	568	573	249
35°	382	386	399	409	416	239
45°	255	260	269	275	278	197
55°	160	165	170	168	165	144
65°	81	87	95	90	86	81
75°	28	29	29	26	24	30
85°	3	3	3	3	3	5
90°	0	0	0	0	0	

TEST NUMBER: P1317498

CATALOG NUMBER: P3SQAS20R709830D010 E3SQCLDWW1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	841.8	841.8	841.8	841.8	841.8
1°	841.8	840.3	840.3	840.3	841.8
2°	840.3	838.8	838.8	838.8	840.3
3°	837.2	835.7	835.7	835.7	838.8
4°	832.6	829.6	831.1	831.1	834.2
5°	826.5	825.0	826.5	826.5	829.6
6°	820.4	818.9	820.4	820.4	823.5
7°	812.8	811.3	812.8	814.3	817.4
8°	803.6	802.1	803.6	805.1	809.7
9°	794.4	792.9	796.0	797.5	800.6
10°	782.2	782.2	785.3	786.8	791.4
11°	770.0	770.0	773.1	776.1	780.7
12°	757.8	757.8	762.4	765.4	768.5
13°	745.6	744.0	748.6	751.7	756.3
14°	730.3	728.8	734.9	739.4	744.0
15°	715.0	715.0	721.1	725.7	730.3
17.5°	673.8	675.3	682.9	689.0	693.6
20°	629.4	634.0	641.7	649.3	653.9
22.5°	586.7	589.7	600.4	609.6	614.2
25°	542.4	548.5	557.6	568.3	572.9
27.5°	499.6	505.7	514.9	525.6	533.2
30°	458.3	462.9	475.1	485.8	490.4
32.5°	417.1	423.2	435.4	446.1	452.2
35°	381.9	386.5	398.8	409.4	415.6
37.5°	346.8	351.4	363.6	372.8	377.4
40°	311.7	319.3	328.5	337.6	342.2
42.5°	282.6	288.8	297.9	305.6	310.1
45°	255.1	259.7	268.9	275.0	278.1
47.5°	229.2	233.8	242.9	246.0	247.5
50°	204.7	209.3	215.4	216.9	218.5
52.5°	181.8	184.9	191.0	191.0	189.4
55°	160.4	165.0	169.6	168.1	165.0
57.5°	140.6	142.1	149.7	146.7	143.6
60°	120.7	123.8	129.9	126.8	123.8
62.5°	100.8	103.9	111.5	108.5	103.9
65°	81.0	87.1	94.7	90.1	85.6
67.5°	61.1	68.8	76.4	71.8	68.8
70°	47.4	53.5	59.6	55.0	51.9
72.5°	36.7	39.7	42.8	39.7	36.7
75°	27.5	29.0	29.0	26.0	24.4
77.5°	19.9	21.4	18.3	15.3	15.3
80°	12.2	13.8	12.2	9.2	9.2
82.5°	6.1	7.6	6.1	6.1	6.1
85°	3.1	3.1	3.1	3.1	3.1
87.5°	1.5	1.5	1.5	1.5	1.5



TEST NUMBER: P1317498

CATALOG NUMBER: P3SQAS20R709830D010 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)