

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: P1318374

Luminaire Tested: P3SQAS20R709835D010 E3SQCLDWW1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318374
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: P3SQAS20R709835D010 E3SQCLDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , E3SQCLDWW1MW TRI
Light Source: -
Ballast/Driver: -

Summary

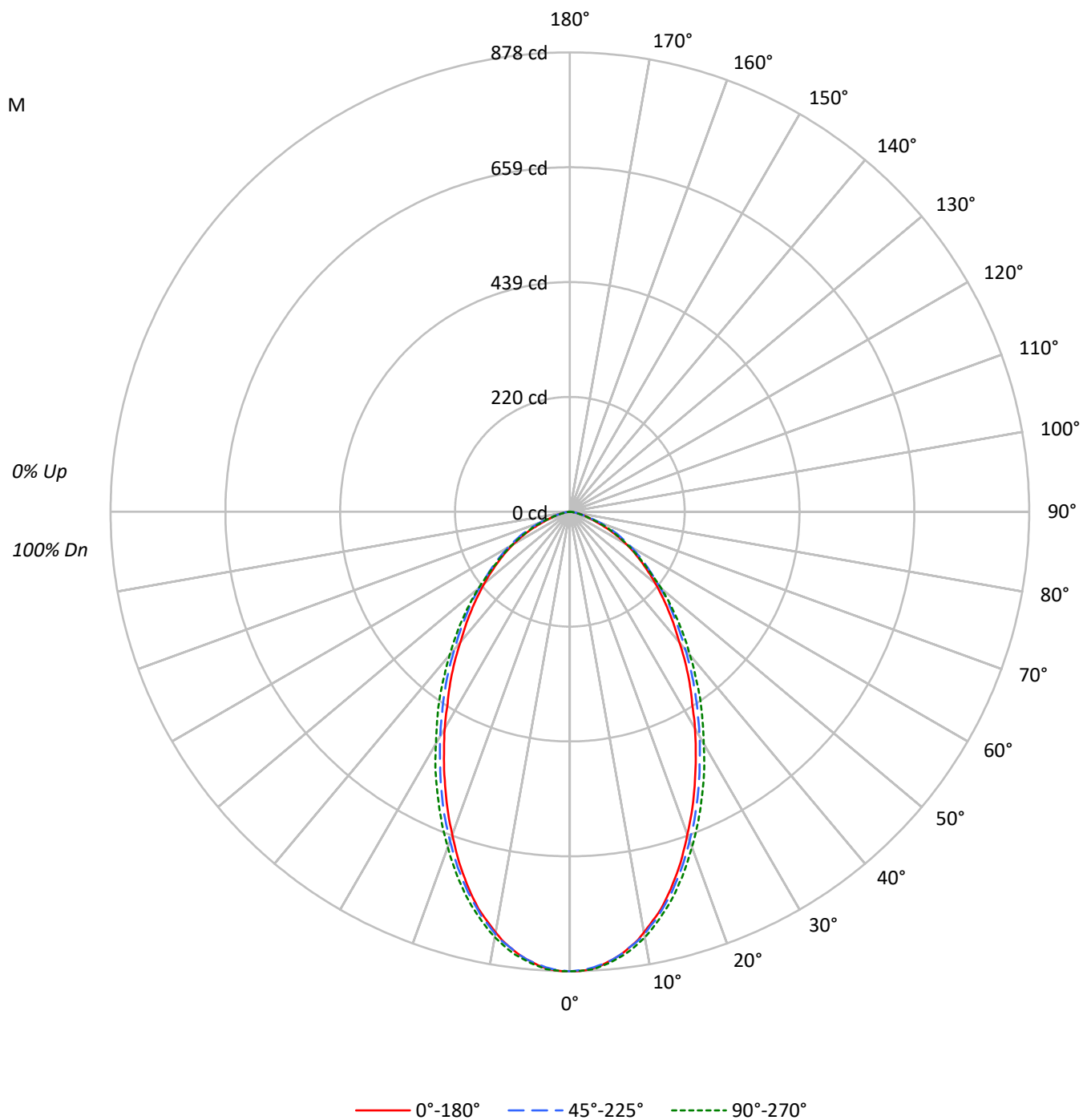
Lumens per Lamp: N/A
Luminaire Lumens: 1319.0 lumens
Efficiency: N/A
Efficacy: 48.1 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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	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°	151280	151280	151280
5°	149109	149109	149663
10°	142754	143314	144415
15°	133028	134169	135881
20°	120375	122721	125049
25°	107555	110577	113598
30°	95117	98598	101779
35°	83804	87483	91162
40°	73112	77069	80283
45°	64836	68343	70681
50°	57230	60231	61088
55°	50264	53146	51705
60°	43366	46672	44468
65°	34435	40262	36391
70°	24875	31321	27292
75°	19097	20162	16968
80°	12695	12695	9521
85°	6323	6323	6323

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 70681 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.0	6.1
10°-20°	210.2	15.9
20°-30°	267.1	20.3
30°-40°	259.9	19.7
40°-50°	216.1	16.4
50°-60°	155.8	11.8
60°-70°	91.7	7.0
70°-80°	32.5	2.5
80°-90°	4.8	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°	558.3	42.3
0°-40°	818.2	62.0
0°-60°	1190.1	90.2
0°-90°	1319.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1319.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	878	878	878	878	878	
5°	862	861	862	862	866	81
15°	746	746	752	757	762	208
25°	566	572	582	593	598	260
35°	399	403	416	427	434	249
45°	266	271	281	287	290	206
55°	167	172	177	175	172	150
65°	84	91	99	94	89	84
75°	29	30	30	27	26	31
85°	3	3	3	3	3	5
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	878.4	878.4	878.4	878.4	878.4
1°	878.4	876.8	876.8	876.8	878.4
2°	876.8	875.3	875.3	875.3	876.8
3°	873.7	872.1	872.1	872.1	875.3
4°	868.9	865.7	867.3	867.3	870.5
5°	862.5	860.9	862.5	862.5	865.7
6°	856.1	854.5	856.1	856.1	859.3
7°	848.1	846.6	848.1	849.7	852.9
8°	838.6	837.0	838.6	840.2	845.0
9°	829.0	827.4	830.6	832.2	835.4
10°	816.3	816.3	819.5	821.0	825.8
11°	803.5	803.5	806.7	809.9	814.7
12°	790.8	790.8	795.5	798.7	801.9
13°	778.0	776.4	781.2	784.4	789.2
14°	762.1	760.5	766.8	771.6	776.4
15°	746.1	746.1	752.5	757.3	762.1
17.5°	703.1	704.7	712.6	719.0	723.8
20°	656.8	661.6	669.6	677.6	682.3
22.5°	612.2	615.4	626.5	636.1	640.9
25°	566.0	572.3	581.9	593.1	597.8
27.5°	521.3	527.7	537.3	548.4	556.4
30°	478.3	483.1	495.8	507.0	511.8
32.5°	435.2	441.6	454.4	465.5	471.9
35°	398.6	403.3	416.1	427.3	433.6
37.5°	361.9	366.7	379.4	389.0	393.8
40°	325.2	333.2	342.8	352.3	357.1
42.5°	294.9	301.3	310.9	318.9	323.6
45°	266.2	271.0	280.6	287.0	290.2
47.5°	239.1	243.9	253.5	256.7	258.3
50°	213.6	218.4	224.8	226.4	228.0
52.5°	189.7	192.9	199.3	199.3	197.7
55°	167.4	172.2	177.0	175.4	172.2
57.5°	146.7	148.3	156.2	153.0	149.9
60°	125.9	129.1	135.5	132.3	129.1
62.5°	105.2	108.4	116.4	113.2	108.4
65°	84.5	90.9	98.8	94.1	89.3
67.5°	63.8	71.7	79.7	74.9	71.7
70°	49.4	55.8	62.2	57.4	54.2
72.5°	38.3	41.5	44.6	41.5	38.3
75°	28.7	30.3	30.3	27.1	25.5
77.5°	20.7	22.3	19.1	15.9	15.9
80°	12.8	14.3	12.8	9.6	9.6
82.5°	6.4	8.0	6.4	6.4	6.4
85°	3.2	3.2	3.2	3.2	3.2
87.5°	1.6	1.6	1.6	1.6	1.6



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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)