

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: P1307281

Luminaire Tested: P3SQAS20R709027D010 E3SQCLDWW1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307281
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: P3SQAS20R709027D010 E3SQCLDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3SQCLDWW1MW TRI
Light Source: -
Ballast/Driver: -

Summary

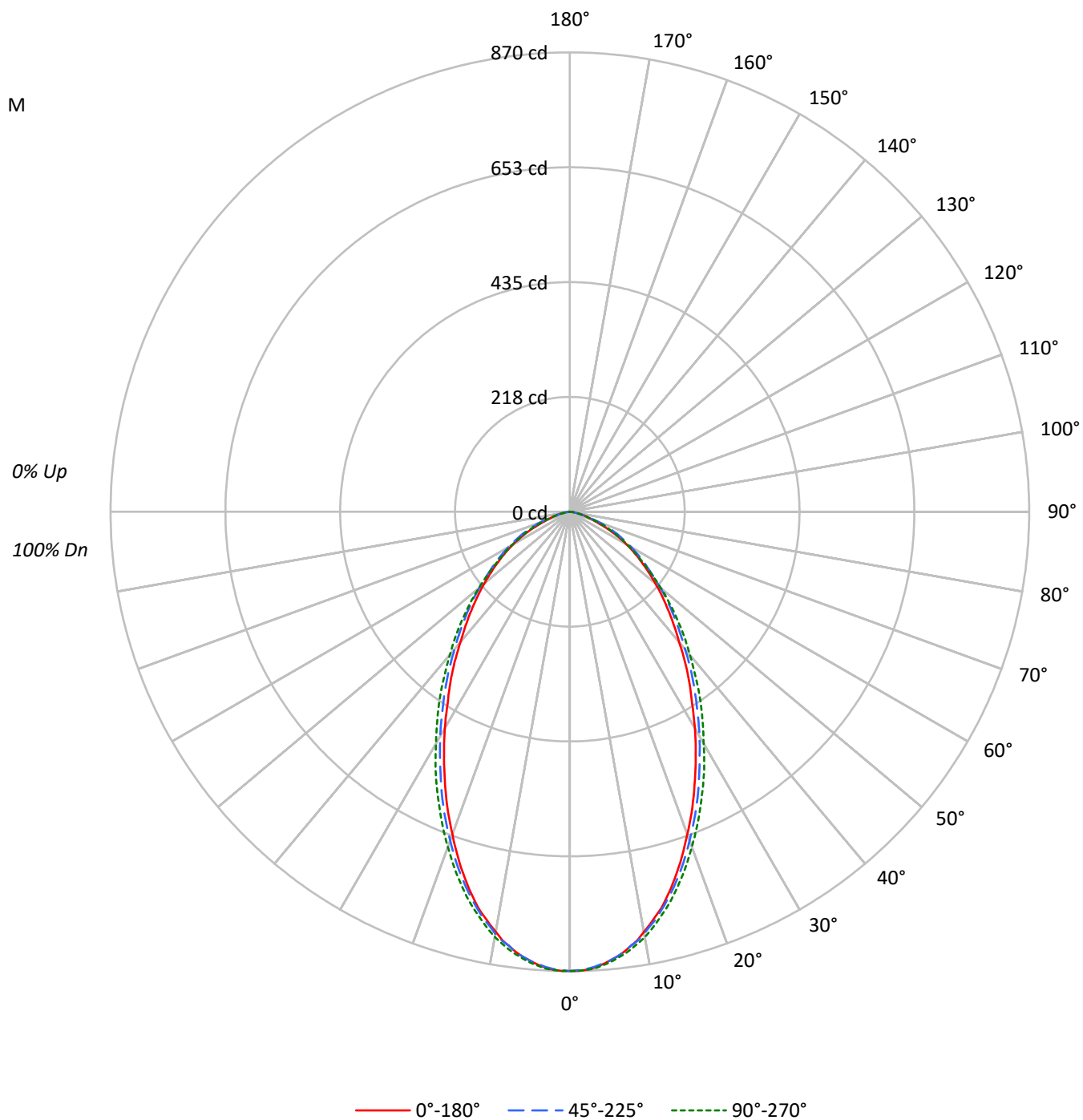
Lumens per Lamp: N/A
Luminaire Lumens: 1306.0 lumens
Efficiency: N/A
Efficacy: 45.3 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
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°	149799	149799	149799
5°	147640	147640	148193
10°	141338	141897	142999
15°	131727	132850	134526
20°	119202	121512	123821
25°	106491	109493	112496
30°	94183	97623	100765
35°	82963	86621	90279
40°	72392	76304	79497
45°	64202	67661	69975
50°	56667	59641	60472
55°	49753	52606	51195
60°	42952	46225	44055
65°	34109	39896	36024
70°	24623	31018	27040
75°	18898	19963	16835
80°	12497	12497	9422
85°	6323	6323	6323

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 69975 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.2	6.1
10°-20°	208.2	15.9
20°-30°	264.5	20.3
30°-40°	257.3	19.7
40°-50°	213.9	16.4
50°-60°	154.3	11.8
60°-70°	90.8	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°	552.8	42.3
0°-40°	810.1	62.0
0°-60°	1178.3	90.2
0°-90°	1306.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1306.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	870	870	870	870	870	
5°	854	852	854	854	857	80
15°	739	739	745	750	754	206
25°	560	567	576	587	592	257
35°	395	399	412	423	429	247
45°	264	268	278	284	287	204
55°	166	170	175	174	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	869.8	869.8	869.8	869.8	869.8
1°	869.8	868.2	868.2	868.2	869.8
2°	868.2	866.6	866.6	866.6	868.2
3°	865.0	863.5	863.5	863.5	866.6
4°	860.3	857.2	858.7	858.7	861.9
5°	854.0	852.4	854.0	854.0	857.2
6°	847.7	846.1	847.7	847.7	850.8
7°	839.8	838.2	839.8	841.4	844.5
8°	830.3	828.7	830.3	831.9	836.6
9°	820.8	819.3	822.4	824.0	827.2
10°	808.2	808.2	811.4	813.0	817.7
11°	795.6	795.6	798.7	801.9	806.6
12°	783.0	783.0	787.7	790.9	794.0
13°	770.3	768.8	773.5	776.6	781.4
14°	754.5	753.0	759.3	764.0	768.8
15°	738.8	738.8	745.1	749.8	754.5
17.5°	696.1	697.7	705.6	711.9	716.7
20°	650.4	655.1	663.0	670.9	675.6
22.5°	606.2	609.3	620.4	629.8	634.6
25°	560.4	566.7	576.2	587.2	592.0
27.5°	516.2	522.5	532.0	543.0	550.9
30°	473.6	478.3	490.9	502.0	506.7
32.5°	430.9	437.3	449.9	460.9	467.3
35°	394.6	399.4	412.0	423.1	429.4
37.5°	358.3	363.1	375.7	385.2	389.9
40°	322.0	329.9	339.4	348.9	353.6
42.5°	292.0	298.3	307.8	315.7	320.4
45°	263.6	268.4	277.8	284.1	287.3
47.5°	236.8	241.5	251.0	254.1	255.7
50°	211.5	216.3	222.6	224.2	225.7
52.5°	187.8	191.0	197.3	197.3	195.7
55°	165.7	170.5	175.2	173.6	170.5
57.5°	145.2	146.8	154.7	151.5	148.4
60°	124.7	127.9	134.2	131.0	127.9
62.5°	104.2	107.3	115.2	112.1	107.3
65°	83.7	90.0	97.9	93.1	88.4
67.5°	63.1	71.0	78.9	74.2	71.0
70°	48.9	55.2	61.6	56.8	53.7
72.5°	37.9	41.0	44.2	41.0	37.9
75°	28.4	30.0	30.0	26.8	25.3
77.5°	20.5	22.1	18.9	15.8	15.8
80°	12.6	14.2	12.6	9.5	9.5
82.5°	6.3	7.9	6.3	6.3	6.3
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)