

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: P1316038

Luminaire Tested: P3SQAS05R709827DE010 E3SQCLDWW1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316038
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: P3SQAS05R709827DE010 E3SQCLDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3SQCLDWW1MW TRI
Light Source: -
Ballast/Driver: -

Summary

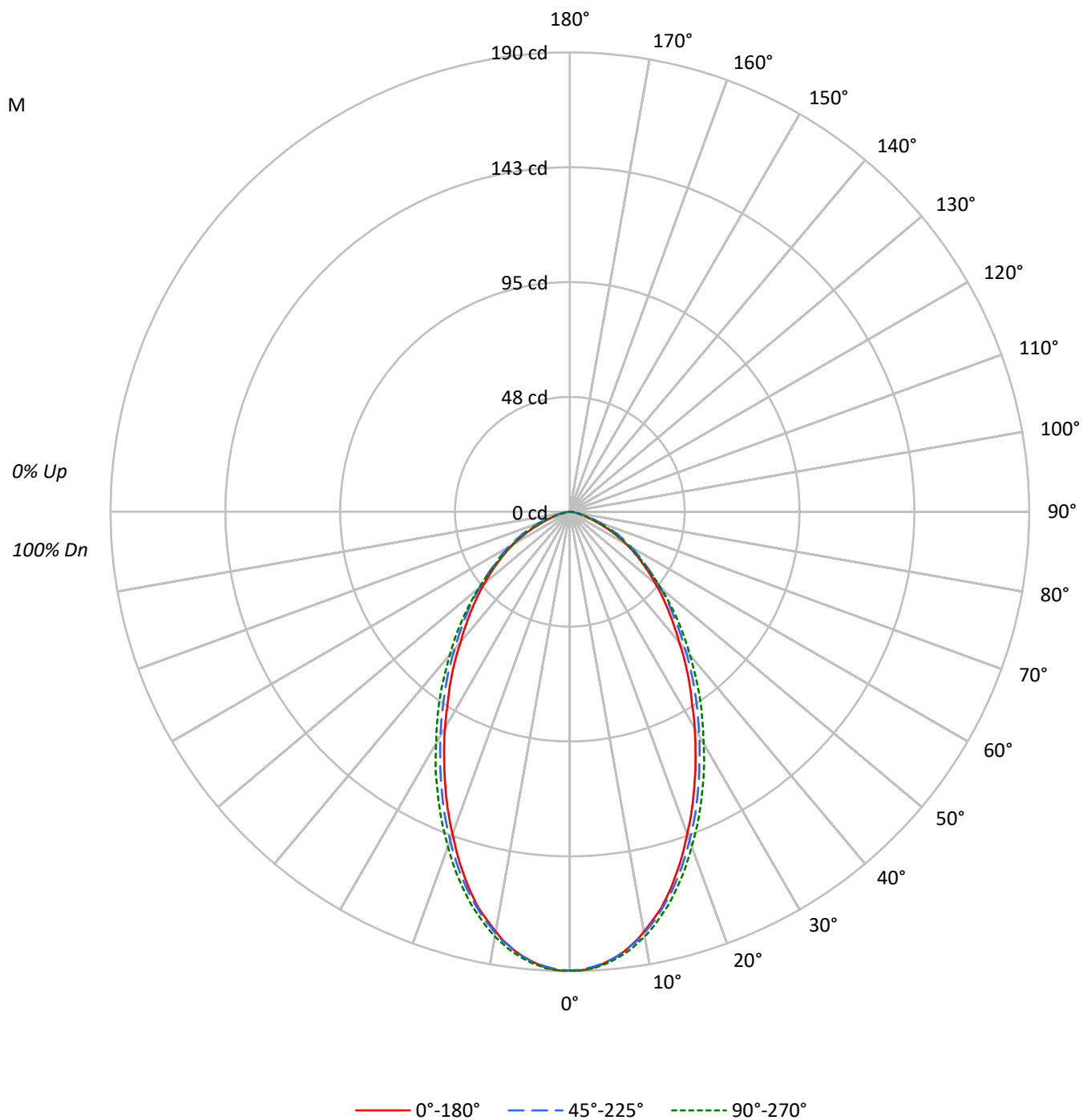
Lumens per Lamp: N/A
Luminaire Lumens: 285.0 lumens
Efficiency: N/A
Efficacy: 39.6 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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°	32688	32688	32688
5°	32225	32225	32346
10°	30849	30971	31198
15°	28742	28991	29366
20°	26007	26520	27015
25°	23240	23886	24551
30°	20543	21299	21995
35°	18102	18901	19700
40°	15805	16659	17356
45°	14005	14760	15271
50°	12378	13021	13209
55°	10869	11470	11170
60°	9369	10092	9610
65°	7457	8721	7865
70°	5388	6748	5891
75°	4126	4325	3660
80°	2777	2777	2083
85°	1383	1383	1383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 15271 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.5	6.1
10°-20°	45.4	15.9
20°-30°	57.7	20.3
30°-40°	56.2	19.7
40°-50°	46.7	16.4
50°-60°	33.7	11.8
60°-70°	19.8	6.9
70°-80°	7.0	2.5
80°-90°	1.0	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°	120.6	42.3
0°-40°	176.8	62.0
0°-60°	257.2	90.2
0°-90°	285.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	285.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	190	190	190	190	190	
5°	186	186	186	186	187	17
15°	161	161	163	164	165	45
25°	122	124	126	128	129	56
35°	86	87	90	92	94	54
45°	58	59	61	62	63	44
55°	36	37	38	38	37	32
65°	18	20	21	20	19	18
75°	6	6	6	6	6	7
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	189.8	189.8	189.8	189.8	189.8
1°	189.8	189.5	189.5	189.5	189.8
2°	189.5	189.1	189.1	189.1	189.5
3°	188.8	188.4	188.4	188.4	189.1
4°	187.7	187.1	187.4	187.4	188.1
5°	186.4	186.0	186.4	186.4	187.1
6°	185.0	184.6	185.0	185.0	185.7
7°	183.3	182.9	183.3	183.6	184.3
8°	181.2	180.9	181.2	181.5	182.6
9°	179.1	178.8	179.5	179.8	180.5
10°	176.4	176.4	177.1	177.4	178.4
11°	173.6	173.6	174.3	175.0	176.0
12°	170.9	170.9	171.9	172.6	173.3
13°	168.1	167.8	168.8	169.5	170.5
14°	164.7	164.3	165.7	166.7	167.8
15°	161.2	161.2	162.6	163.6	164.7
17.5°	151.9	152.3	154.0	155.4	156.4
20°	141.9	143.0	144.7	146.4	147.4
22.5°	132.3	133.0	135.4	137.4	138.5
25°	122.3	123.7	125.7	128.1	129.2
27.5°	112.6	114.0	116.1	118.5	120.2
30°	103.3	104.4	107.1	109.5	110.6
32.5°	94.0	95.4	98.2	100.6	102.0
35°	86.1	87.2	89.9	92.3	93.7
37.5°	78.2	79.2	82.0	84.1	85.1
40°	70.3	72.0	74.1	76.1	77.2
42.5°	63.7	65.1	67.2	68.9	69.9
45°	57.5	58.6	60.6	62.0	62.7
47.5°	51.7	52.7	54.8	55.5	55.8
50°	46.2	47.2	48.6	48.9	49.3
52.5°	41.0	41.7	43.1	43.1	42.7
55°	36.2	37.2	38.2	37.9	37.2
57.5°	31.7	32.0	33.8	33.1	32.4
60°	27.2	27.9	29.3	28.6	27.9
62.5°	22.7	23.4	25.1	24.5	23.4
65°	18.3	19.6	21.4	20.3	19.3
67.5°	13.8	15.5	17.2	16.2	15.5
70°	10.7	12.1	13.4	12.4	11.7
72.5°	8.3	9.0	9.6	9.0	8.3
75°	6.2	6.5	6.5	5.9	5.5
77.5°	4.5	4.8	4.1	3.4	3.4
80°	2.8	3.1	2.8	2.1	2.1
82.5°	1.4	1.7	1.4	1.4	1.4
85°	0.7	0.7	0.7	0.7	0.7
87.5°	0.3	0.3	0.3	0.3	0.3



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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)