

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: P1316037

Luminaire Tested: P3SQAS05R709827DE010 E3SQCLDWW1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316037
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-46)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R709827DE010 E3SQCLDWW1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3SQCLDWW1MMS TR
Light Source: -
Ballast/Driver: -

Summary

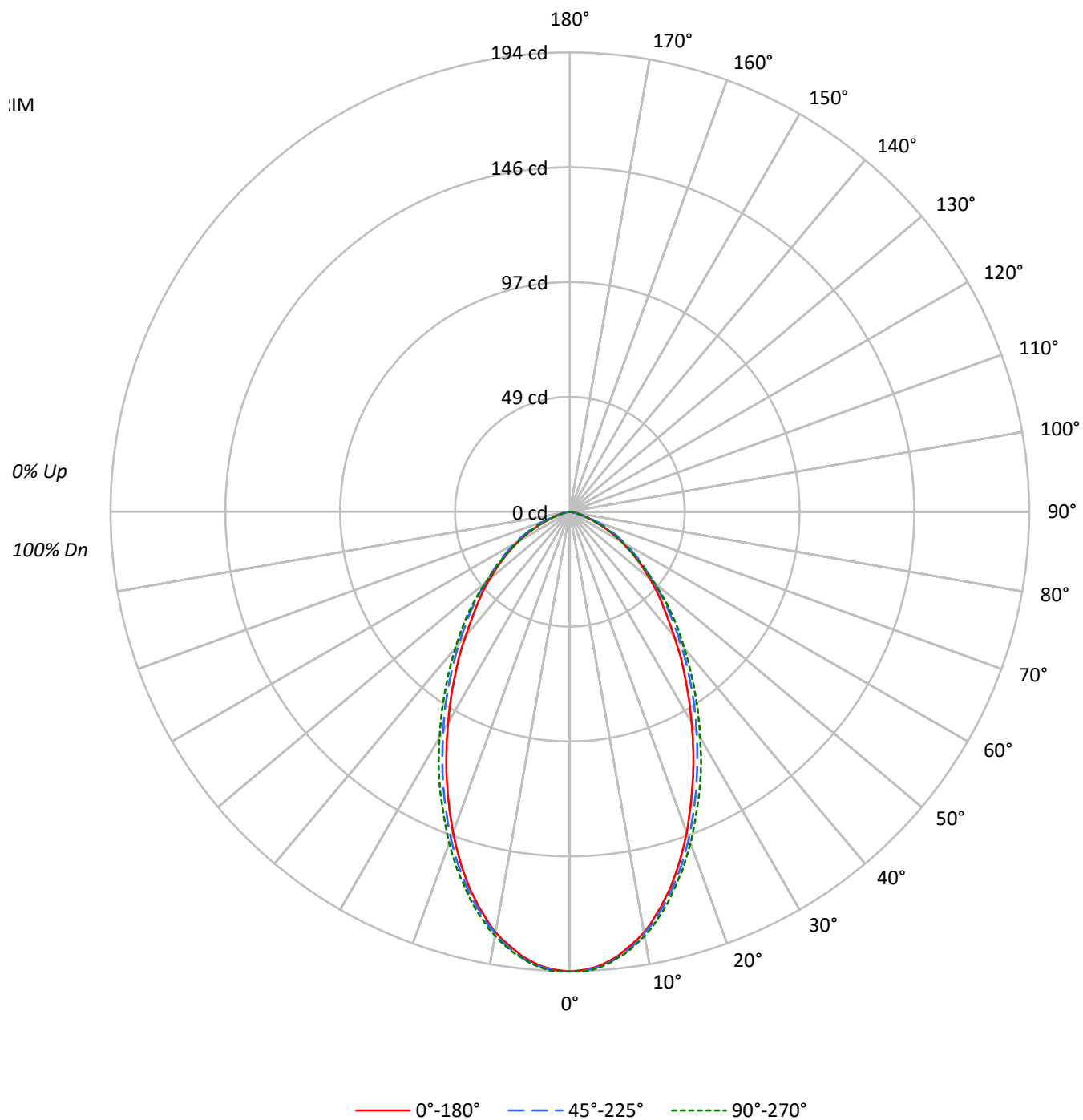
Lumens per Lamp: N/A
Luminaire Lumens: 278.0 lumens
Efficiency: N/A
Efficacy: 38.6 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1316037

CATALOG NUMBER: P3SQAS05R709827DE010 E3SQCLDWW1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1316037

CATALOG NUMBER: P3SQAS05R709827DE010 E3SQCLDWW1MMS

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	108	104	102	109	106	103	100	101	99	97		98	96	94		94
2	103	97	92	87	101	95	90	86	92	88	84		89	85	82		86
3	96	87	81	76	94	86	80	75	83	78	74		81	76	72		78
4	89	79	72	66	87	78	71	66	76	70	65		74	69	64		72
5	83	72	65	59	81	71	64	59	69	63	58		67	62	58		66
6	78	66	59	53	76	65	58	53	64	57	53		62	56	52		61
7	73	61	53	48	71	60	53	48	59	52	48		58	52	47		56
8	68	57	49	44	67	56	49	44	55	48	44		53	48	43		52
9	64	53	45	40	63	52	45	40	51	45	40		50	44	40		49
10	61	49	42	37	60	49	42	37	48	41	37		47	41	37		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	33446	33446	33446
5°	32916	33037	33089
10°	31548	31601	31793
15°	29277	29526	29758
20°	26428	26923	27308
25°	23392	24057	24646
30°	20443	21259	21875
35°	17766	18712	19279
40°	15355	16367	16907
45°	13444	14370	14784
50°	11816	12378	12378
55°	10239	10779	10449
60°	8680	9266	8783
65°	6765	7743	7009
70°	4884	5740	4884
75°	3660	3460	2728
80°	2380	1686	694
85°	593	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 14784 cd/sqm

TEST NUMBER: P1316037

CATALOG NUMBER: P3SQAS05R709827DE010 E3SQCLDWW1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.9	6.4
10°-20°	46.2	16.6
20°-30°	58.0	20.9
30°-40°	55.4	19.9
40°-50°	45.0	16.2
50°-60°	31.5	11.3
60°-70°	17.8	6.4
70°-80°	5.6	2.0
80°-90°	0.4	0.2
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°	122.1	43.9
0°-40°	177.5	63.9
0°-60°	254.1	91.4
0°-90°	278.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	278.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	194	194	194	194	194	
5°	190	191	191	191	191	18
15°	164	164	166	166	167	46
25°	123	124	127	129	130	56
35°	84	86	89	91	92	53
45°	55	57	59	60	61	43
55°	34	34	36	35	35	31
65°	17	18	19	18	17	17
75°	6	6	5	4	4	6
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

TEST NUMBER: P1316037

CATALOG NUMBER: P3SQAS05R709827DE010 E3SQCLDWW1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	194.2	194.2	194.2	194.2	194.2
1°	193.8	194.2	194.5	193.8	194.2
2°	193.5	193.8	193.8	193.5	194.2
3°	192.8	193.2	193.2	192.8	193.5
4°	191.8	192.1	192.1	191.8	192.5
5°	190.4	190.7	191.1	190.7	191.4
6°	189.0	189.4	189.7	189.4	189.7
7°	186.9	187.6	187.6	187.6	188.3
8°	184.9	185.6	185.9	185.6	186.3
9°	182.8	183.2	183.5	183.5	184.2
10°	180.4	180.7	180.7	181.1	181.8
11°	177.6	177.6	178.3	178.3	179.4
12°	174.2	174.5	175.2	175.6	176.3
13°	171.1	171.4	172.1	172.5	173.5
14°	167.6	168.3	169.0	169.4	170.4
15°	164.2	164.5	165.6	165.9	166.9
17.5°	154.5	154.9	156.6	157.3	158.3
20°	144.2	145.2	146.9	148.0	149.0
22.5°	133.5	134.5	136.6	138.3	139.0
25°	123.1	124.5	126.6	128.7	129.7
27.5°	112.8	114.2	116.6	118.7	120.0
30°	102.8	104.2	106.9	108.6	110.0
32.5°	93.5	94.9	98.0	99.7	100.7
35°	84.5	85.9	89.0	90.7	91.7
37.5°	76.6	78.0	80.7	82.4	83.1
40°	68.3	70.0	72.8	74.5	75.2
42.5°	61.4	62.8	65.5	66.9	67.9
45°	55.2	56.6	59.0	60.0	60.7
47.5°	49.7	50.4	52.4	52.8	53.5
50°	44.1	44.8	46.2	46.6	46.2
52.5°	39.0	39.7	40.7	40.4	40.4
55°	34.1	34.5	35.9	35.2	34.8
57.5°	29.3	30.0	31.4	30.4	30.0
60°	25.2	25.9	26.9	26.2	25.5
62.5°	21.0	21.4	23.1	21.7	21.0
65°	16.6	17.6	19.0	17.9	17.2
67.5°	12.4	14.1	15.5	14.1	13.5
70°	9.7	10.3	11.4	10.7	9.7
72.5°	7.2	7.6	7.9	7.2	6.6
75°	5.5	5.5	5.2	4.5	4.1
77.5°	3.8	3.8	3.1	2.1	2.1
80°	2.4	2.4	1.7	0.7	0.7
82.5°	1.0	1.0	0.7	0.3	0.3
85°	0.3	0.3	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1316037

CATALOG NUMBER: P3SQAS05R709827DE010 E3SQCLDWW1MMS

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)