

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: P1315116

Luminaire Tested: P3SQAS05R709740DE010 E3SQCLDWW1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315116
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: P3SQAS05R709740DE010 E3SQCLDWW1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , E3SQCLDWW1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

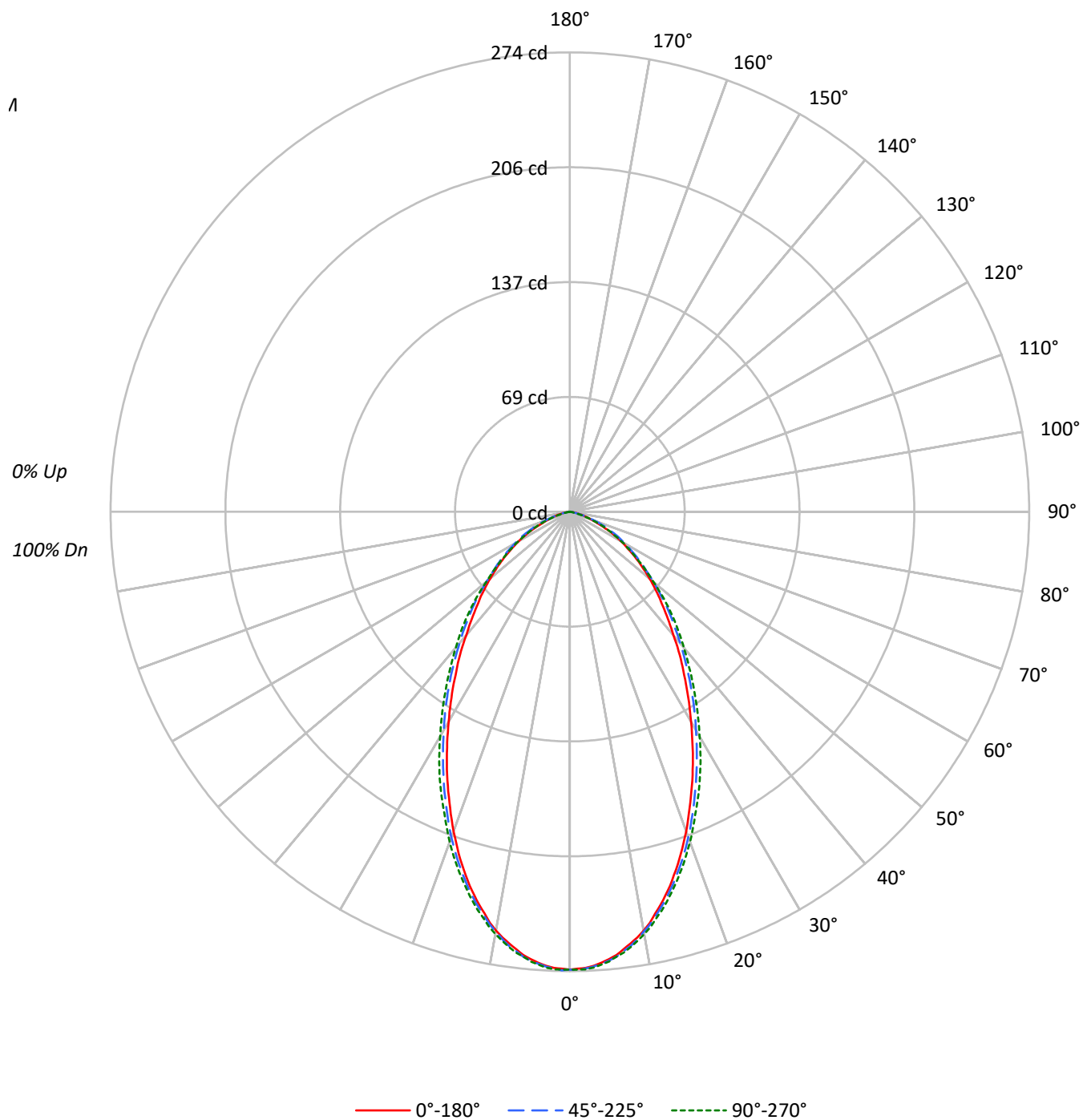
Lumens per Lamp: N/A
Luminaire Lumens: 391.0 lumens
Efficiency: N/A
Efficacy: 54.3 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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	108	104	101	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	68	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°	47034	47034	47034
5°	46297	46470	46539
10°	44367	44454	44717
15°	41169	41526	41864
20°	37168	37883	38415
25°	32913	33825	34661
30°	28756	29909	30784
35°	24998	26323	27122
40°	21605	23022	23786
45°	18900	20215	20800
50°	16639	17416	17416
55°	14413	15163	14713
60°	12193	13020	12366
65°	9495	10881	9903
70°	6848	8057	6848
75°	5190	4858	3859
80°	3372	2380	992
85°	988	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 20800 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.2	6.4
10°-20°	65.0	16.6
20°-30°	81.6	20.9
30°-40°	77.9	19.9
40°-50°	63.4	16.2
50°-60°	44.4	11.3
60°-70°	25.0	6.4
70°-80°	7.9	2.0
80°-90°	0.6	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°	171.8	43.9
0°-40°	249.7	63.9
0°-60°	357.4	91.4
0°-90°	391.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	391.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	273	273	273	273	273	
5°	268	268	269	268	269	25
15°	231	231	233	233	235	64
25°	173	175	178	181	182	79
35°	119	121	125	128	129	75
45°	78	80	83	84	85	60
55°	48	48	50	50	49	43
65°	23	25	27	25	24	23
75°	8	8	7	6	6	8
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	273.1	273.1	273.1	273.1	273.1
1°	272.6	273.1	273.6	272.6	273.1
2°	272.2	272.6	272.6	272.2	273.1
3°	271.2	271.7	271.7	271.2	272.2
4°	269.7	270.2	270.2	269.7	270.7
5°	267.8	268.3	268.8	268.3	269.2
6°	265.8	266.3	266.8	266.3	266.8
7°	262.9	263.9	263.9	263.9	264.9
8°	260.0	261.0	261.5	261.0	262.0
9°	257.1	257.6	258.1	258.1	259.1
10°	253.7	254.2	254.2	254.7	255.7
11°	249.8	249.8	250.8	250.8	252.3
12°	245.0	245.5	246.4	246.9	247.9
13°	240.6	241.1	242.1	242.6	244.0
14°	235.8	236.7	237.7	238.2	239.6
15°	230.9	231.4	232.9	233.3	234.8
17.5°	217.3	217.8	220.2	221.2	222.7
20°	202.8	204.2	206.7	208.1	209.6
22.5°	187.7	189.2	192.1	194.5	195.5
25°	173.2	175.1	178.0	181.0	182.4
27.5°	158.6	160.6	164.0	166.9	168.8
30°	144.6	146.5	150.4	152.8	154.8
32.5°	131.5	133.4	137.8	140.2	141.7
35°	118.9	120.8	125.2	127.6	129.0
37.5°	107.7	109.6	113.5	115.9	116.9
40°	96.1	98.5	102.4	104.8	105.8
42.5°	86.4	88.3	92.2	94.1	95.6
45°	77.6	79.6	83.0	84.4	85.4
47.5°	69.9	70.8	73.7	74.2	75.2
50°	62.1	63.1	65.0	65.5	65.0
52.5°	54.8	55.8	57.2	56.8	56.8
55°	48.0	48.5	50.5	49.5	49.0
57.5°	41.2	42.2	44.1	42.7	42.2
60°	35.4	36.4	37.8	36.9	35.9
62.5°	29.6	30.1	32.5	30.6	29.6
65°	23.3	24.7	26.7	25.2	24.3
67.5°	17.5	19.9	21.8	19.9	18.9
70°	13.6	14.6	16.0	15.0	13.6
72.5°	10.2	10.7	11.2	10.2	9.2
75°	7.8	7.8	7.3	6.3	5.8
77.5°	5.3	5.3	4.4	2.9	2.9
80°	3.4	3.4	2.4	1.0	1.0
82.5°	1.5	1.5	1.0	0.5	0.5
85°	0.5	0.5	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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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)