

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: P1315797

Luminaire Tested: P3SQAS02R259827DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315797
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R259827DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

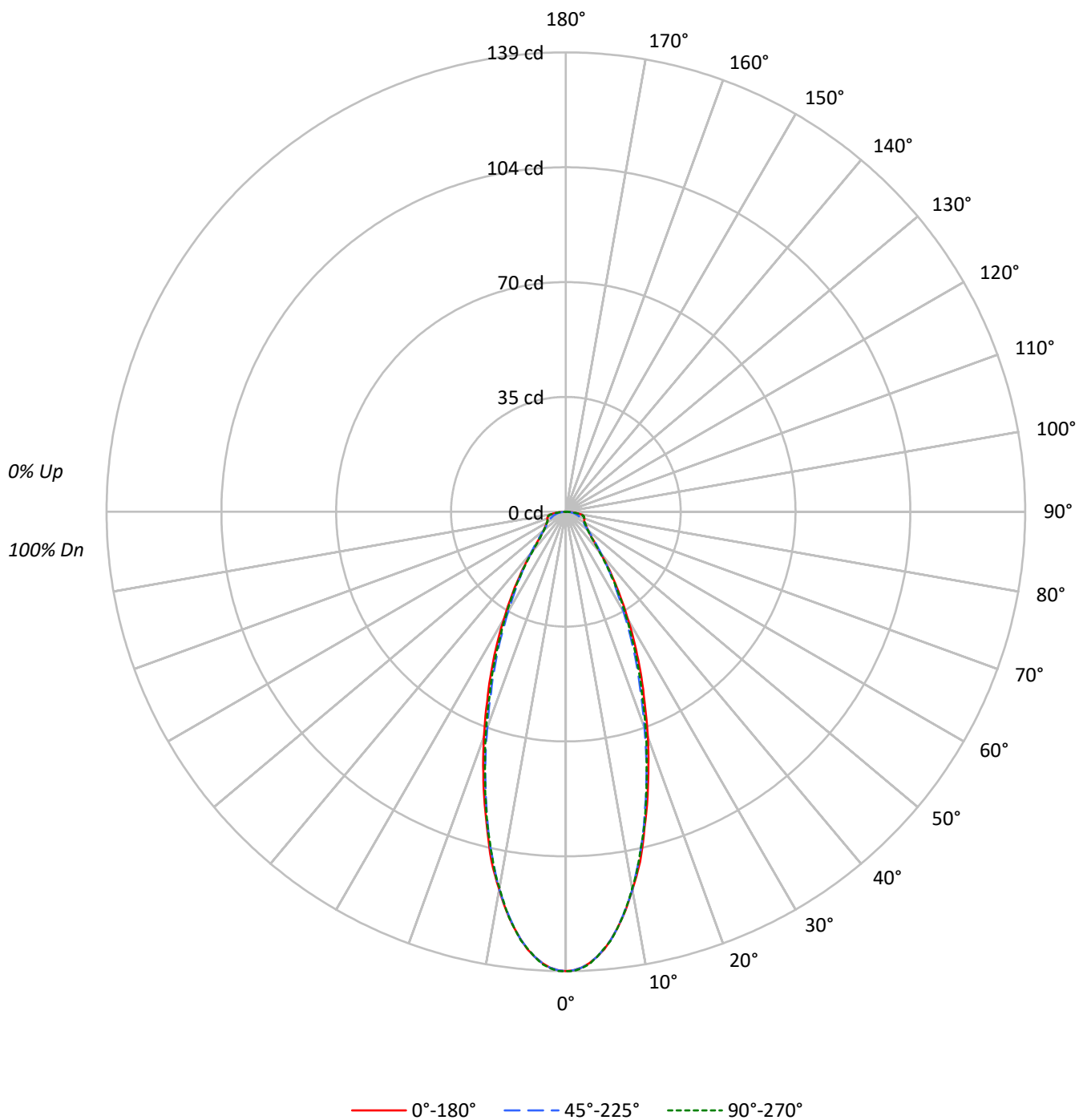
Lumens per Lamp: N/A
Luminaire Lumens: 105.0 lumens
Efficiency: N/A
Efficacy: 29.2 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	99	96		97	95	93		94
2	104	98	92	88	102	96	91	87	93	89	85		89	86	83		87
3	98	90	83	78	95	88	82	78	85	80	76		83	79	75		80
4	92	83	76	71	90	81	75	70	79	74	69		77	72	69		75
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70
6	82	72	65	60	80	71	64	59	69	63	59		68	62	59		66
7	78	67	60	55	76	66	60	55	65	59	55		64	58	55		62
8	74	63	56	52	72	62	56	52	61	55	51		60	55	51		59
9	70	60	53	49	69	59	53	48	58	52	48		57	52	48		56
10	67	56	50	46	66	56	50	46	55	49	46		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	23939	23939	23939
5°	22976	22941	22941
10°	20304	20286	20216
15°	16778	16528	16617
20°	13287	12738	12958
25°	10128	9577	9843
30°	7457	6921	7219
35°	5340	5088	5172
40°	3665	3732	3552
45°	2704	2874	2655
50°	2358	2358	2304
55°	2252	2132	2252
60°	2273	2101	2273
65°	2486	2160	2486
70°	3021	2165	2921
75°	3726	2329	3726
80°	4761	2479	4463
85°	3952	2371	3952

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 4761 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.1	11.6
10°-20°	25.8	24.6
20°-30°	23.6	22.5
30°-40°	15.6	14.8
40°-50°	9.1	8.6
50°-60°	6.6	6.3
60°-70°	5.6	5.3
70°-80°	4.6	4.4
80°-90°	1.9	1.8
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°	61.5	58.6
0°-40°	77.1	73.4
0°-60°	92.8	88.4
0°-90°	105.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	105.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	139	139	139	139	139	
5°	133	133	133	133	133	12
15°	94	94	93	93	93	26
25°	53	52	50	51	52	24
35°	25	25	24	24	25	16
45°	11	11	12	11	11	9
55°	8	8	7	7	8	7
65°	6	6	5	6	6	6
75°	6	4	4	4	6	6
85°	2	2	1	2	2	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	139.0	139.0	139.0	139.0	139.0
1°	138.7	138.7	138.7	138.7	139.0
2°	138.0	137.9	138.0	138.0	138.2
3°	136.7	136.7	136.7	136.7	137.0
4°	135.0	135.0	135.0	135.0	135.0
5°	132.9	132.7	132.7	132.9	132.7
6°	130.2	130.2	130.2	130.2	130.4
7°	127.2	127.1	127.1	126.9	127.2
8°	123.8	123.8	123.6	123.4	123.8
9°	120.1	120.3	119.9	119.8	119.8
10°	116.1	116.0	116.0	116.0	115.6
11°	112.2	111.7	111.5	111.5	111.8
12°	108.2	107.3	107.0	107.0	107.0
13°	103.4	103.0	102.5	102.2	102.4
14°	98.5	98.5	97.7	97.7	98.0
15°	94.1	93.7	92.7	93.1	93.2
17.5°	83.0	82.3	81.1	81.1	81.3
20°	72.5	71.3	69.5	70.3	70.7
22.5°	62.2	61.1	59.2	60.1	60.4
25°	53.3	51.8	50.4	50.6	51.8
27.5°	45.1	43.5	42.1	42.6	43.3
30°	37.5	36.5	34.8	35.7	36.3
32.5°	31.0	30.2	29.0	29.5	30.2
35°	25.4	24.9	24.2	24.2	24.6
37.5°	20.6	20.4	20.1	19.9	19.7
40°	16.3	16.6	16.6	16.3	15.8
42.5°	13.3	13.6	13.9	13.3	12.8
45°	11.1	11.4	11.8	11.1	10.9
47.5°	9.8	10.0	10.1	9.8	9.6
50°	8.8	8.8	8.8	8.6	8.6
52.5°	8.1	8.0	7.8	8.0	8.0
55°	7.5	7.5	7.1	7.3	7.5
57.5°	7.0	6.8	6.6	6.8	7.0
60°	6.6	6.3	6.1	6.3	6.6
62.5°	6.3	6.0	5.6	6.0	6.3
65°	6.1	5.6	5.3	5.6	6.1
67.5°	6.0	5.3	4.8	5.3	6.0
70°	6.0	5.0	4.3	5.0	5.8
72.5°	5.8	4.6	4.0	4.6	5.8
75°	5.6	4.3	3.5	4.3	5.6
77.5°	5.5	4.0	3.0	4.0	5.3
80°	4.8	3.6	2.5	3.6	4.5
82.5°	3.5	3.0	2.0	3.0	3.3
85°	2.0	2.2	1.2	2.2	2.0
87.5°	0.3	0.5	0.3	0.8	0.7



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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)