

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: P1316705

Luminaire Tested: P3SQAS02R359830DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316705
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R359830DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 98CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

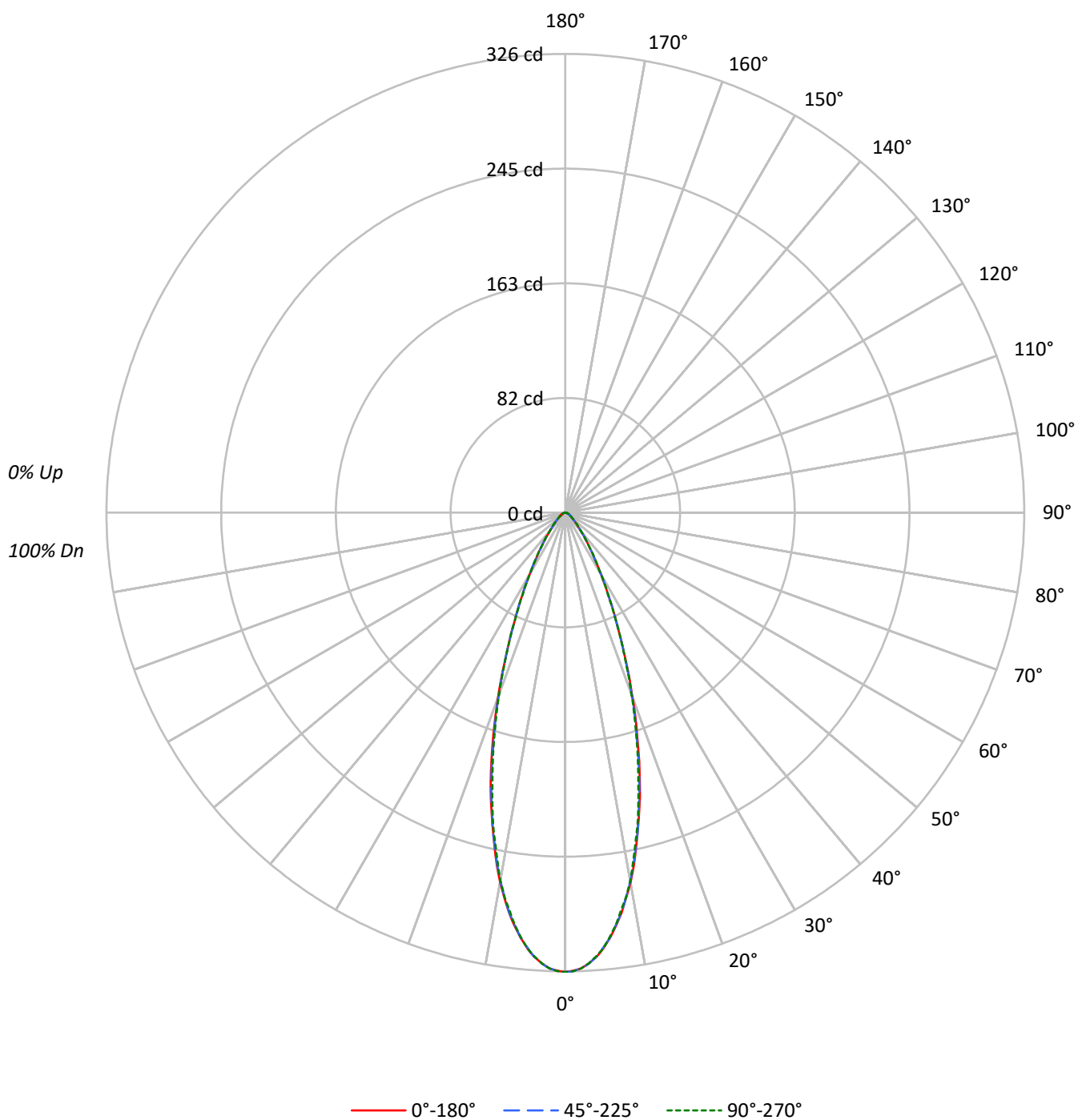
Lumens per Lamp: N/A
Luminaire Lumens: 161.0 lumens
Efficiency: N/A
Efficacy: 44.7 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	114	111	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88
4	98	91	86	82	97	90	85	81	88	84	80		86	82	79		84
5	94	86	80	76	92	85	80	76	83	79	75		82	78	75		80
6	90	81	76	72	88	81	75	71	79	74	71		78	74	70		76
7	86	77	72	68	85	77	71	67	75	71	67		74	70	67		73
8	82	73	68	64	81	73	68	64	72	67	64		71	67	63		70
9	79	70	65	61	78	70	64	61	69	64	61		68	63	60		67
10	76	67	62	58	75	67	61	58	66	61	58		65	61	58		64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	56231	56231	56231
5°	53731	53628	53731
10°	46640	46483	46413
15°	36551	36266	35695
20°	25567	25347	25182
25°	16247	16342	16247
30°	10003	10082	10003
35°	6181	6223	6223
40°	3934	3979	3979
45°	2655	2704	2728
50°	1902	1956	1956
55°	1501	1501	1501
60°	1240	1240	1240
65°	1100	1100	1100
70°	1007	1007	1007
75°	799	799	799
80°	694	694	694
85°	395	395	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 2728 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.2	17.5
10°-20°	55.5	34.5
20°-30°	40.1	24.9
30°-40°	19.3	12.0
40°-50°	8.9	5.5
50°-60°	4.6	2.9
60°-70°	2.7	1.7
70°-80°	1.3	0.8
80°-90°	0.3	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°	123.8	76.9
0°-40°	143.2	88.9
0°-60°	156.7	97.3
0°-90°	161.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	161.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	326	326	326	326	326	
5°	311	312	310	310	311	28
15°	205	205	203	202	200	56
25°	86	86	86	86	86	40
35°	29	29	30	30	30	19
45°	11	11	11	11	11	9
55°	5	5	5	5	5	5
65°	3	3	3	3	3	3
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	326.5	326.5	326.5	326.5	326.5
1°	325.6	326.1	325.9	326.1	325.9
2°	324.0	324.3	324.0	324.1	324.1
3°	320.6	320.9	320.9	320.7	320.6
4°	316.5	317.4	316.5	316.6	316.1
5°	310.8	311.5	310.2	310.4	310.8
6°	303.8	304.0	303.6	303.4	303.1
7°	295.8	296.5	295.2	295.4	295.1
8°	287.2	287.0	287.0	286.3	285.2
9°	276.9	277.6	276.5	276.2	276.3
10°	266.7	266.7	265.8	264.9	265.4
11°	255.1	254.7	254.2	253.0	252.6
12°	242.4	243.1	241.5	241.0	239.8
13°	229.4	230.5	229.8	227.8	228.0
14°	217.3	216.6	216.0	215.7	214.4
15°	205.0	204.6	203.4	202.5	200.2
17.5°	171.3	171.6	169.3	168.9	168.0
20°	139.5	138.4	138.3	138.4	137.4
22.5°	110.1	111.1	109.9	110.1	109.4
25°	85.5	85.6	86.0	86.0	85.5
27.5°	66.4	66.4	66.0	66.4	65.8
30°	50.3	50.3	50.7	51.0	50.3
32.5°	38.9	38.9	38.9	39.1	39.2
35°	29.4	29.4	29.6	29.6	29.6
37.5°	22.7	22.8	23.0	23.0	23.0
40°	17.5	17.7	17.7	17.8	17.7
42.5°	13.9	13.9	13.9	14.1	14.1
45°	10.9	11.1	11.1	11.2	11.2
47.5°	8.9	8.9	8.9	9.1	9.1
50°	7.1	7.3	7.3	7.3	7.3
52.5°	5.9	5.9	6.1	6.1	6.1
55°	5.0	5.0	5.0	5.0	5.0
57.5°	4.1	4.3	4.3	4.3	4.3
60°	3.6	3.6	3.6	3.6	3.6
62.5°	3.0	3.0	3.0	3.0	3.0
65°	2.7	2.7	2.7	2.7	2.7
67.5°	2.1	2.3	2.3	2.3	2.3
70°	2.0	2.0	2.0	2.0	2.0
72.5°	1.4	1.6	1.6	1.6	1.6
75°	1.2	1.2	1.2	1.2	1.2
77.5°	1.1	0.9	0.9	0.9	1.1
80°	0.7	0.7	0.7	0.7	0.7
82.5°	0.5	0.5	0.5	0.5	0.5
85°	0.2	0.2	0.2	0.2	0.4
87.5°	0.0	0.0	0.0	0.2	0.2



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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)