

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: P1313111

Luminaire Tested: P3SQAS05R359730DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313111
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: P3SQAS05R359730DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 97CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

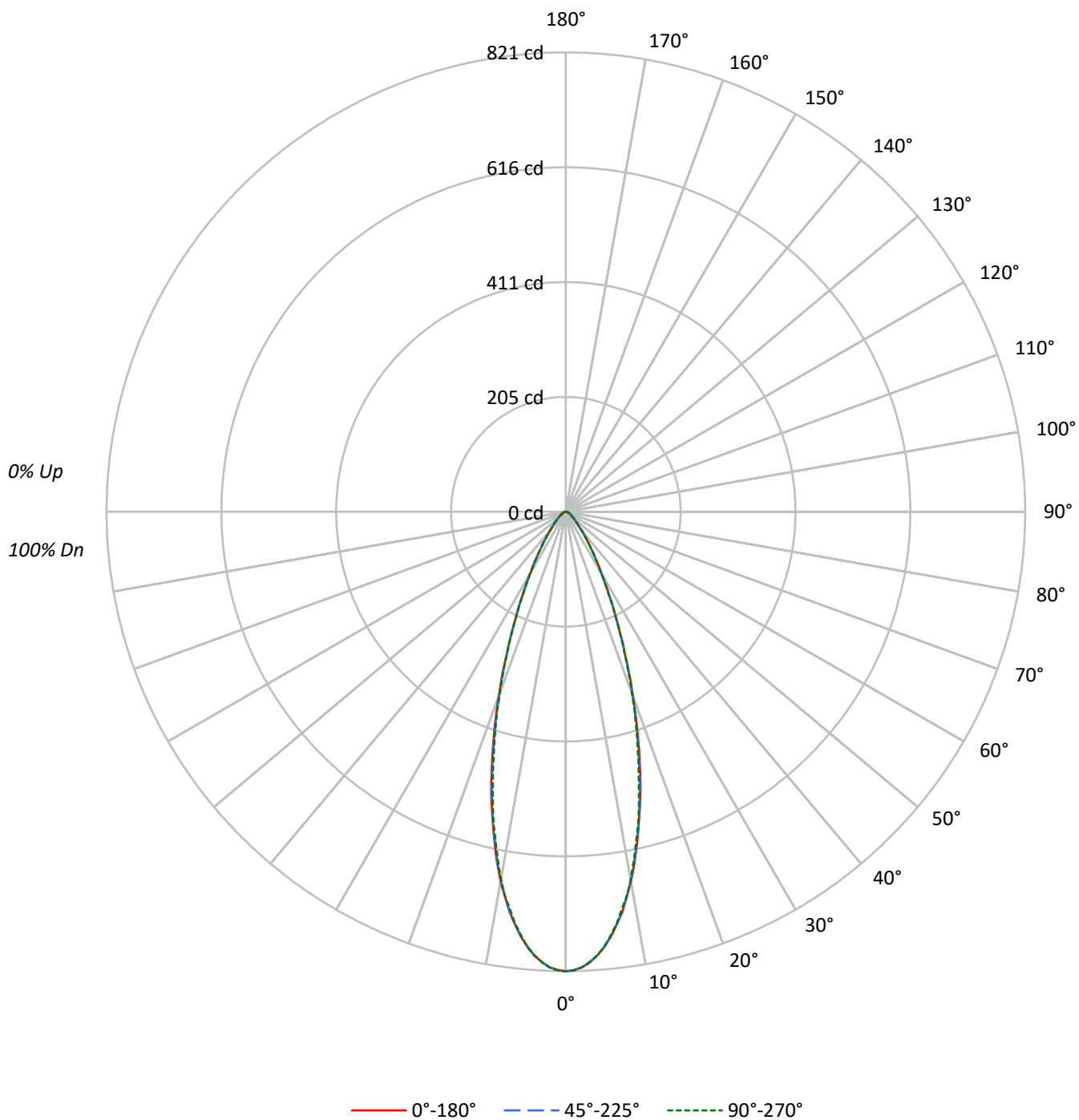
Lumens per Lamp: N/A
Luminaire Lumens: 404.9 lumens
Efficiency: N/A
Efficacy: 56.2 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	141429	141429	141429
5°	135141	134916	135141
10°	117327	116924	116767
15°	91930	91217	89773
20°	64311	63743	63322
25°	40856	41103	40856
30°	25156	25335	25156
35°	15558	15663	15663
40°	9892	9982	9982
45°	6674	6771	6893
50°	4823	4930	4930
55°	3783	3783	3783
60°	3100	3100	3100
65°	2730	2730	2730
70°	2467	2467	2467
75°	2063	2063	2063
80°	1785	1785	1785
85°	790	790	1778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 6893 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.0	17.5
10°-20°	139.7	34.5
20°-30°	100.8	24.9
30°-40°	48.6	12.0
40°-50°	22.4	5.5
50°-60°	11.6	2.9
60°-70°	6.7	1.6
70°-80°	3.4	0.8
80°-90°	0.8	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°	311.5	76.9
0°-40°	360.1	88.9
0°-60°	394.1	97.3
0°-90°	404.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	404.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	821	821	821	821	821	
5°	782	784	780	781	782	71
15°	516	515	512	509	504	141
25°	215	215	216	216	215	101
35°	74	74	74	74	74	48
45°	27	28	28	28	28	22
55°	13	13	13	13	13	11
65°	7	7	7	7	7	7
75°	3	3	3	3	3	3
85°	0	0	0	0	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	821.2	821.2	821.2	821.2	821.2
1°	819.0	820.3	819.9	820.3	819.9
2°	814.9	815.8	814.9	815.4	815.4
3°	806.4	807.3	807.3	806.9	806.4
4°	796.1	798.3	796.1	796.5	795.2
5°	781.7	783.5	780.4	780.8	781.7
6°	764.2	764.7	763.8	763.3	762.4
7°	744.0	745.8	742.7	743.1	742.2
8°	722.5	722.0	722.0	720.2	717.6
9°	696.5	698.3	695.6	694.7	695.1
10°	670.9	670.9	668.6	666.4	667.7
11°	641.7	640.8	639.5	636.3	635.4
12°	609.9	611.6	607.6	606.3	603.1
13°	577.1	579.8	578.0	573.1	573.5
14°	546.6	544.8	543.4	542.5	539.4
15°	515.6	514.7	511.6	509.3	503.5
17.5°	430.8	431.7	425.9	425.0	422.7
20°	350.9	348.2	347.8	348.2	345.5
22.5°	276.9	279.6	276.4	276.9	275.1
25°	215.0	215.4	216.3	216.3	215.0
27.5°	166.9	166.9	166.0	166.9	165.6
30°	126.5	126.5	127.4	128.3	126.5
32.5°	97.8	97.8	97.8	98.3	98.7
35°	74.0	74.0	74.5	74.5	74.5
37.5°	57.0	57.4	57.9	57.9	57.9
40°	44.0	44.4	44.4	44.9	44.4
42.5°	35.0	35.0	35.0	35.5	35.5
45°	27.4	27.8	27.8	28.3	28.3
47.5°	22.4	22.4	22.4	22.9	22.9
50°	18.0	18.4	18.4	18.4	18.4
52.5°	14.8	14.8	15.3	15.3	15.3
55°	12.6	12.6	12.6	12.6	12.6
57.5°	10.3	10.8	10.8	10.8	10.8
60°	9.0	9.0	9.0	9.0	9.0
62.5°	7.6	7.6	7.6	7.6	7.6
65°	6.7	6.7	6.7	6.7	6.7
67.5°	5.4	5.8	5.8	5.8	5.8
70°	4.9	4.9	4.9	4.9	4.9
72.5°	3.6	4.0	4.0	4.0	4.0
75°	3.1	3.1	3.1	3.1	3.1
77.5°	2.7	2.2	2.2	2.2	2.7
80°	1.8	1.8	1.8	1.8	1.8
82.5°	1.3	1.3	1.3	1.3	1.3
85°	0.4	0.4	0.4	0.4	0.9
87.5°	0.0	0.0	0.0	0.4	0.4



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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)