

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: P1308826

Luminaire Tested: P3SQAS05R359035DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308826
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: P3SQAS05R359035DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

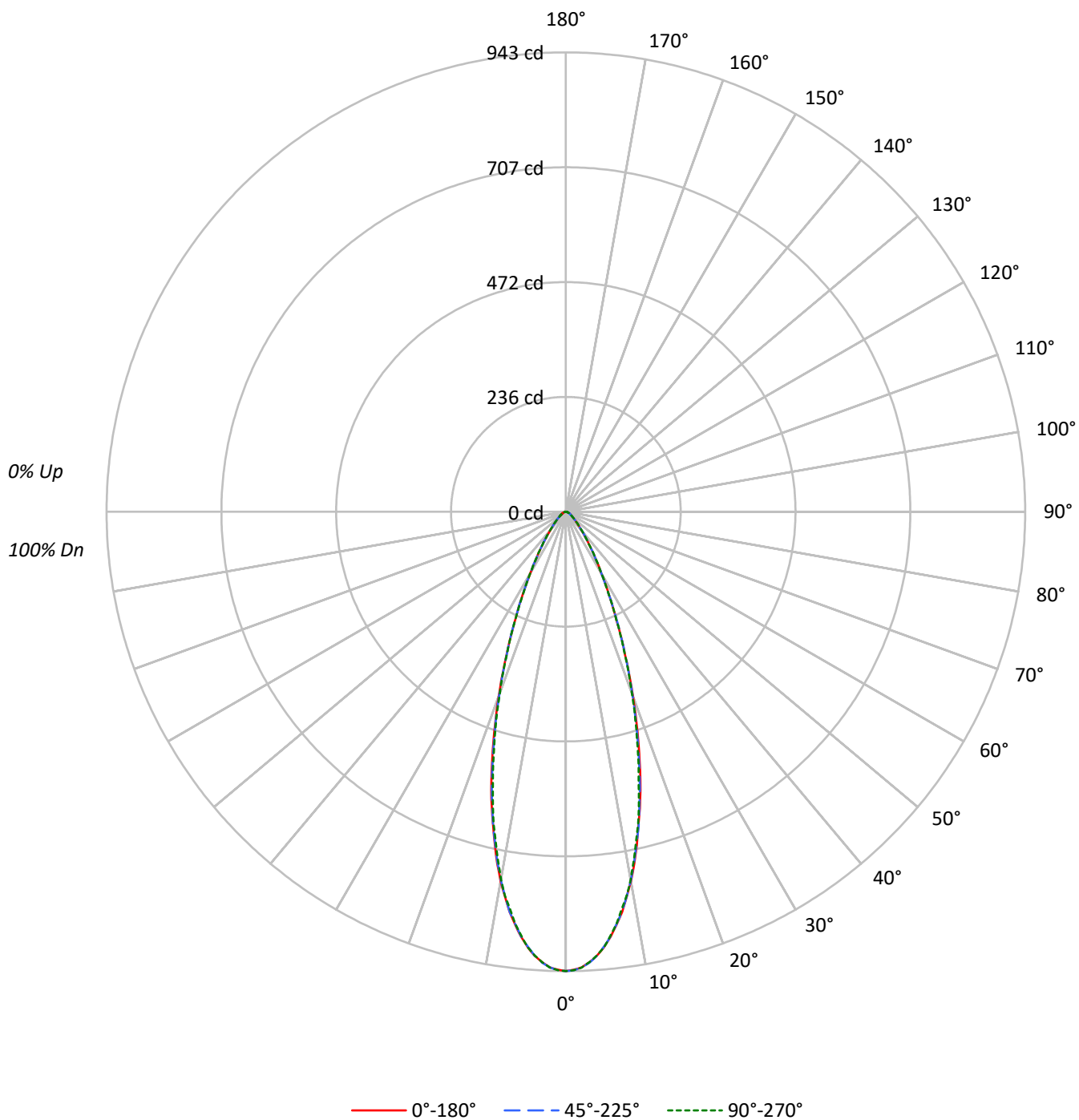
Lumens per Lamp: N/A
Luminaire Lumens: 465.0 lumens
Efficiency: N/A
Efficacy: 64.6 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	162389	162389	162389
5°	155160	154901	155160
10°	134710	134255	134080
15°	105552	104732	103074
20°	73842	73182	72705
25°	46899	47184	46899
30°	28895	29094	28895
35°	17871	17976	17976
40°	11353	11466	11466
45°	7648	7770	7916
50°	5519	5653	5653
55°	4324	4324	4324
60°	3548	3548	3548
65°	3138	3138	3138
70°	2870	2870	2870
75°	2396	2396	2396
80°	2083	2083	2083
85°	988	988	1976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 7916 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.5	17.5
10°-20°	160.4	34.5
20°-30°	115.8	24.9
30°-40°	55.8	12.0
40°-50°	25.7	5.5
50°-60°	13.3	2.9
60°-70°	7.7	1.7
70°-80°	3.9	0.8
80°-90°	0.9	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°	357.7	76.9
0°-40°	413.5	88.9
0°-60°	452.5	97.3
0°-90°	465.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	465.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	943	943	943	943	943	
5°	898	900	896	896	898	82
15°	592	591	587	585	578	161
25°	247	247	248	248	247	116
35°	85	85	86	86	86	55
45°	31	32	32	32	32	25
55°	14	14	14	14	14	13
65°	8	8	8	8	8	8
75°	4	4	4	4	4	4
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°	942.9	942.9	942.9	942.9	942.9
1°	940.3	941.8	941.3	941.8	941.3
2°	935.7	936.7	935.7	936.2	936.2
3°	925.9	926.9	926.9	926.4	925.9
4°	914.0	916.6	914.0	914.5	913.0
5°	897.5	899.6	896.0	896.5	897.5
6°	877.4	878.0	876.9	876.4	875.4
7°	854.3	856.3	852.7	853.2	852.2
8°	829.5	829.0	829.0	826.9	823.9
9°	799.6	801.7	798.6	797.6	798.1
10°	770.3	770.3	767.7	765.1	766.7
11°	736.8	735.8	734.2	730.6	729.6
12°	700.2	702.3	697.6	696.1	692.5
13°	662.6	665.7	663.6	658.0	658.5
14°	627.6	625.5	623.9	622.9	619.3
15°	592.0	591.0	587.4	584.8	578.1
17.5°	494.6	495.7	489.0	487.9	485.3
20°	402.9	399.8	399.3	399.8	396.7
22.5°	317.9	321.0	317.4	317.9	315.8
25°	246.8	247.3	248.3	248.3	246.8
27.5°	191.7	191.7	190.6	191.7	190.1
30°	145.3	145.3	146.3	147.4	145.3
32.5°	112.3	112.3	112.3	112.8	113.4
35°	85.0	85.0	85.5	85.5	85.5
37.5°	65.4	65.9	66.5	66.5	66.5
40°	50.5	51.0	51.0	51.5	51.0
42.5°	40.2	40.2	40.2	40.7	40.7
45°	31.4	31.9	31.9	32.5	32.5
47.5°	25.8	25.8	25.8	26.3	26.3
50°	20.6	21.1	21.1	21.1	21.1
52.5°	17.0	17.0	17.5	17.5	17.5
55°	14.4	14.4	14.4	14.4	14.4
57.5°	11.9	12.4	12.4	12.4	12.4
60°	10.3	10.3	10.3	10.3	10.3
62.5°	8.8	8.8	8.8	8.8	8.8
65°	7.7	7.7	7.7	7.7	7.7
67.5°	6.2	6.7	6.7	6.7	6.7
70°	5.7	5.7	5.7	5.7	5.7
72.5°	4.1	4.6	4.6	4.6	4.6
75°	3.6	3.6	3.6	3.6	3.6
77.5°	3.1	2.6	2.6	2.6	3.1
80°	2.1	2.1	2.1	2.1	2.1
82.5°	1.5	1.5	1.5	1.5	1.5
85°	0.5	0.5	0.5	0.5	1.0
87.5°	0.0	0.0	0.0	0.5	0.5



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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)