

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: P1309944

Luminaire Tested: P3SQAS05R359040DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309944
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: P3SQAS05R359040DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

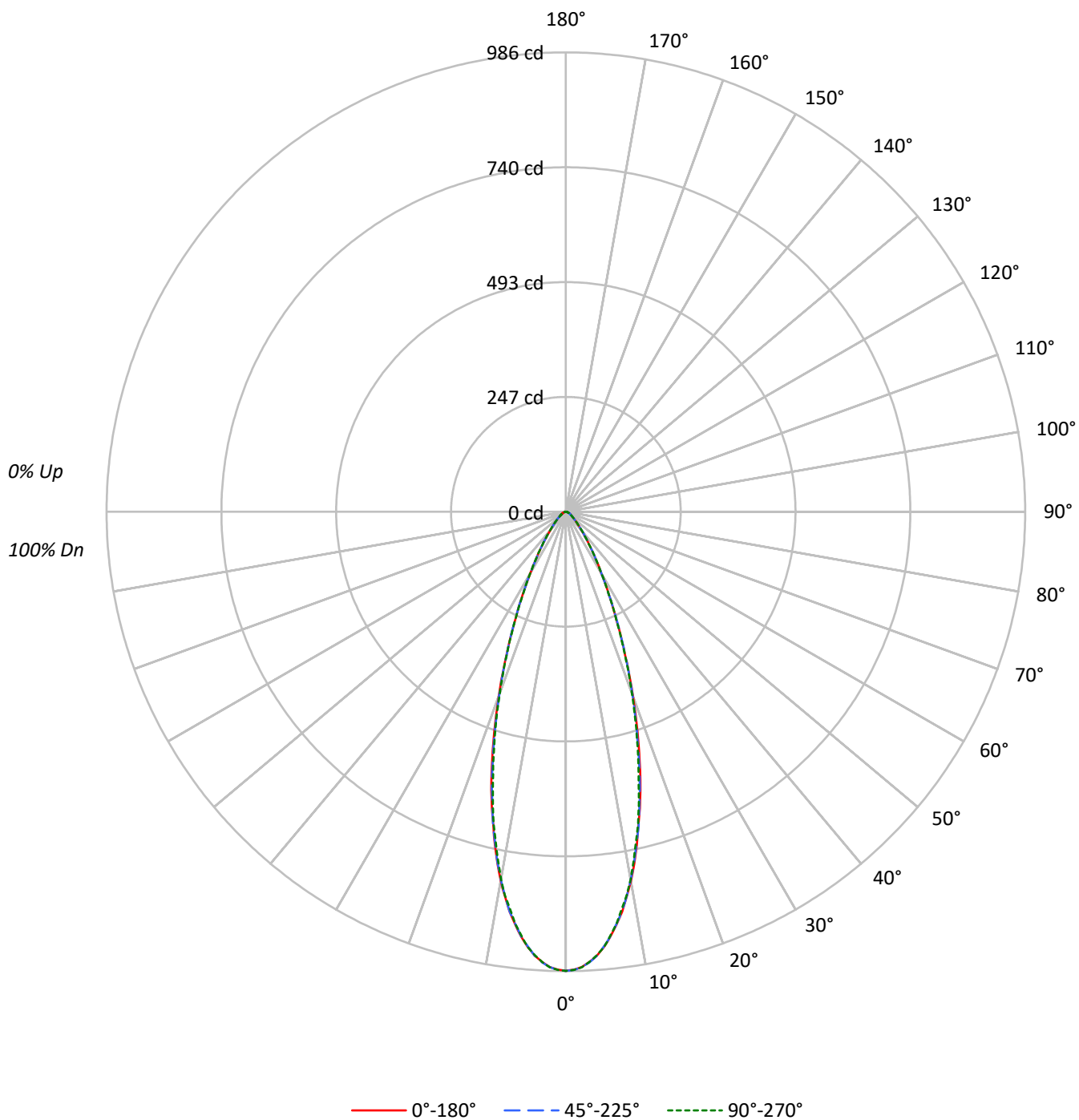
Lumens per Lamp: N/A
Luminaire Lumens: 486.0 lumens
Efficiency: N/A
Efficacy: 67.5 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	96	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°	169725	169725	169725
5°	162179	161903	162179
10°	140795	140323	140131
15°	110313	109457	107728
20°	77177	76481	75986
25°	49008	49331	49008
30°	30208	30407	30208
35°	18691	18796	18796
40°	11871	11983	11983
45°	7989	8135	8257
50°	5761	5921	5921
55°	4534	4534	4534
60°	3720	3720	3720
65°	3301	3301	3301
70°	2971	2971	2971
75°	2529	2529	2529
80°	2182	2182	2182
85°	988	988	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 8257 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.2	17.5
10°-20°	167.7	34.5
20°-30°	121.0	24.9
30°-40°	58.3	12.0
40°-50°	26.9	5.5
50°-60°	13.9	2.9
60°-70°	8.1	1.7
70°-80°	4.1	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°	373.8	76.9
0°-40°	432.2	88.9
0°-60°	473.0	97.3
0°-90°	486.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	486.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	986	986	986	986	986	
5°	938	940	936	937	938	85
15°	619	618	614	611	604	169
25°	258	258	260	260	258	121
35°	89	89	89	89	89	58
45°	33	33	33	34	34	27
55°	15	15	15	15	15	14
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°	985.5	985.5	985.5	985.5	985.5
1°	982.8	984.4	983.8	984.4	983.8
2°	977.9	979.0	977.9	978.5	978.5
3°	967.7	968.8	968.8	968.2	967.7
4°	955.3	958.0	955.3	955.8	954.2
5°	938.1	940.2	936.5	937.0	938.1
6°	917.1	917.6	916.5	916.0	914.9
7°	892.8	895.0	891.2	891.8	890.7
8°	867.0	866.4	866.4	864.3	861.1
9°	835.8	837.9	834.7	833.6	834.1
10°	805.1	805.1	802.4	799.7	801.3
11°	770.1	769.0	767.4	763.6	762.5
12°	731.8	734.0	729.1	727.5	723.7
13°	692.5	695.7	693.6	687.7	688.2
14°	655.9	653.7	652.1	651.0	647.3
15°	618.7	617.7	613.9	611.2	604.2
17.5°	517.0	518.0	511.0	510.0	507.3
20°	421.1	417.9	417.3	417.9	414.6
22.5°	332.3	335.5	331.7	332.3	330.1
25°	257.9	258.5	259.6	259.6	257.9
27.5°	200.3	200.3	199.2	200.3	198.7
30°	151.9	151.9	152.9	154.0	151.9
32.5°	117.4	117.4	117.4	117.9	118.5
35°	88.9	88.9	89.4	89.4	89.4
37.5°	68.4	68.9	69.5	69.5	69.5
40°	52.8	53.3	53.3	53.9	53.3
42.5°	42.0	42.0	42.0	42.5	42.5
45°	32.8	33.4	33.4	33.9	33.9
47.5°	26.9	26.9	26.9	27.5	27.5
50°	21.5	22.1	22.1	22.1	22.1
52.5°	17.8	17.8	18.3	18.3	18.3
55°	15.1	15.1	15.1	15.1	15.1
57.5°	12.4	12.9	12.9	12.9	12.9
60°	10.8	10.8	10.8	10.8	10.8
62.5°	9.2	9.2	9.2	9.2	9.2
65°	8.1	8.1	8.1	8.1	8.1
67.5°	6.5	7.0	7.0	7.0	7.0
70°	5.9	5.9	5.9	5.9	5.9
72.5°	4.3	4.8	4.8	4.8	4.8
75°	3.8	3.8	3.8	3.8	3.8
77.5°	3.2	2.7	2.7	2.7	3.2
80°	2.2	2.2	2.2	2.2	2.2
82.5°	1.6	1.6	1.6	1.6	1.6
85°	0.5	0.5	0.5	0.5	1.1
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)