

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: P1307643

Luminaire Tested: P3SQAS05R159030DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307643
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R159030DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

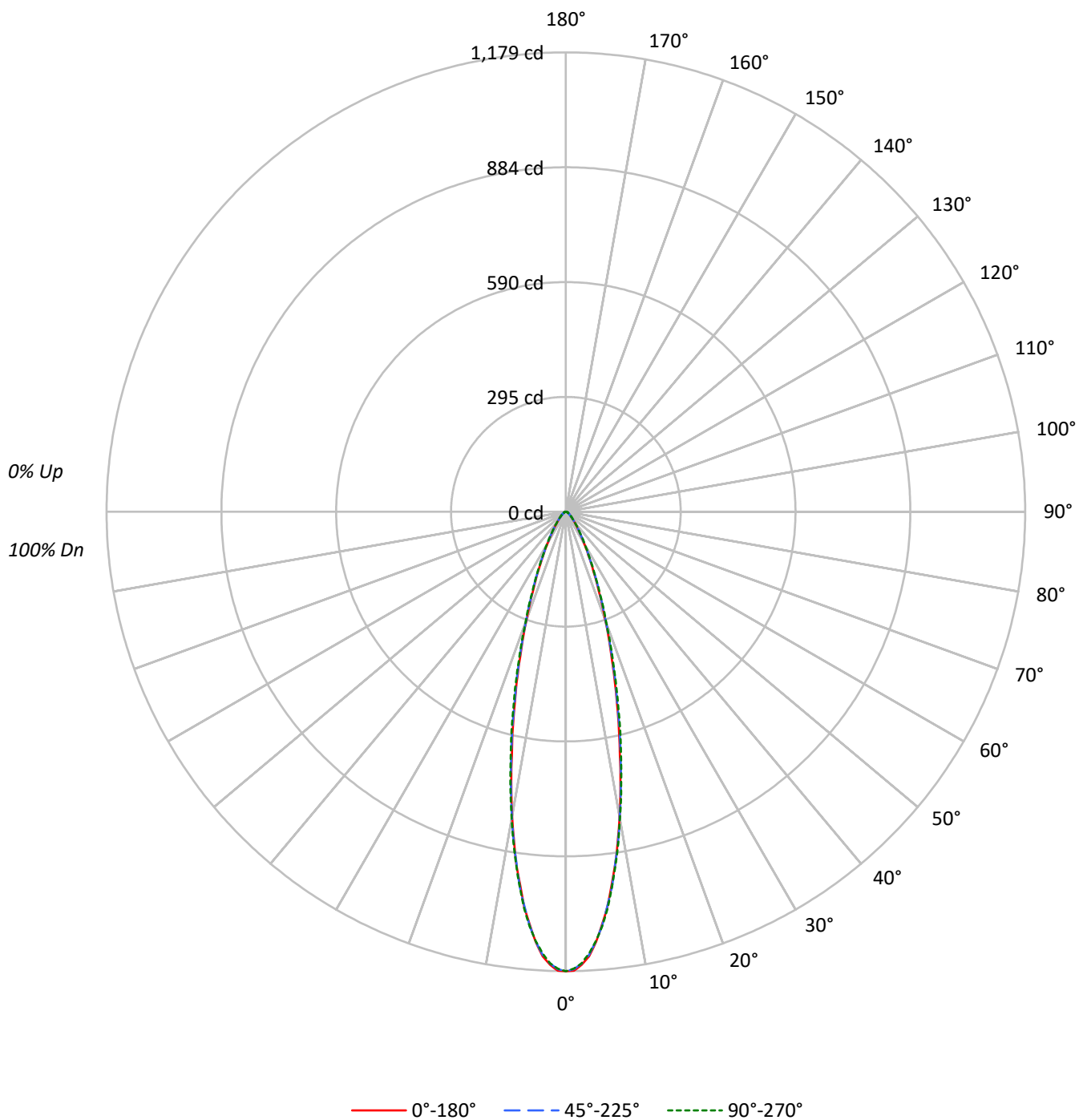
Lumens per Lamp: N/A
Luminaire Lumens: 390.0 lumens
Efficiency: N/A
Efficacy: 54.2 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	94
2	109	104	101	97	107	103	99	96	99	97	94	97	94	92	94	92	90	90	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	85	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	80
5	96	88	83	79	94	87	83	79	86	82	78	84	80	78	83	79	77	77	77	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	73	73	72
7	88	80	75	71	87	80	75	71	79	74	71	77	74	71	76	73	70	70	70	69
8	85	77	72	68	84	76	72	68	75	71	68	74	71	68	74	70	67	67	67	66
9	82	74	69	65	81	73	69	65	73	68	65	72	68	65	71	67	65	65	65	64
10	79	71	66	63	78	71	66	63	70	66	63	69	65	62	69	65	62	62	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	203102	203102	203102
5°	183979	184325	184585
10°	138889	139239	139939
15°	90094	91075	92858
20°	54250	54891	55624
25°	31696	32362	32837
30°	18614	19230	19529
35°	11479	11900	12110
40°	7554	7779	7891
45°	5237	5358	5480
50°	3885	4019	4153
55°	3153	3303	3303
60°	2756	2756	2756
65°	2445	2445	2445
70°	2014	2266	2266
75°	1996	1996	1996
80°	1488	1984	1984
85°	988	988	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 5480 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.9	23.8
10°-20°	142.0	36.4
20°-30°	80.7	20.7
30°-40°	36.8	9.4
40°-50°	17.6	4.5
50°-60°	9.9	2.5
60°-70°	6.0	1.5
70°-80°	3.2	0.8
80°-90°	0.7	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°	315.7	80.9
0°-40°	352.5	90.4
0°-60°	380.0	97.5
0°-90°	390.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	390.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1179	1179	1179	1179	1179	
5°	1064	1064	1066	1066	1068	93
15°	505	508	511	518	521	140
25°	167	167	170	172	173	79
35°	55	56	57	58	58	36
45°	22	22	22	22	22	17
55°	10	10	11	11	11	10
65°	6	6	6	6	6	6
75°	3	3	3	3	3	3
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1179.3	1179.3	1179.3	1179.3	1179.3
1°	1178.3	1175.3	1174.3	1173.8	1172.8
2°	1163.3	1160.8	1160.3	1160.3	1159.8
3°	1142.3	1137.8	1138.3	1136.8	1135.3
4°	1106.7	1104.7	1105.7	1106.7	1104.7
5°	1064.2	1063.7	1066.2	1066.2	1067.7
6°	1020.1	1019.6	1018.1	1022.1	1024.1
7°	964.0	967.0	971.0	969.0	970.5
8°	912.9	909.4	910.9	915.9	916.4
9°	852.8	850.3	856.8	858.8	859.3
10°	794.2	796.7	796.2	803.2	800.2
12.5°	641.5	645.5	650.0	653.0	656.0
15°	505.3	507.8	510.8	517.8	520.8
17.5°	388.6	391.6	394.6	400.6	401.6
20°	296.0	297.5	299.5	305.0	303.5
22.5°	221.3	223.8	225.9	228.4	229.9
25°	166.8	166.8	170.3	171.8	172.8
27.5°	124.2	125.2	127.7	129.7	129.2
30°	93.6	95.1	96.7	97.7	98.2
32.5°	72.1	72.1	73.6	75.1	75.6
35°	54.6	55.6	56.6	57.6	57.6
37.5°	42.6	43.1	44.1	44.6	44.6
40°	33.6	33.6	34.6	35.1	35.1
42.5°	26.5	27.0	27.5	28.0	28.0
45°	21.5	21.5	22.0	22.5	22.5
47.5°	17.5	17.5	18.0	18.5	18.5
50°	14.5	15.0	15.0	15.5	15.5
52.5°	12.5	12.5	12.5	13.0	13.0
55°	10.5	10.5	11.0	11.0	11.0
57.5°	9.0	9.0	9.0	9.5	9.5
60°	8.0	8.0	8.0	8.0	8.0
62.5°	7.0	7.0	7.0	7.0	7.0
65°	6.0	6.0	6.0	6.0	6.0
67.5°	5.0	5.0	5.0	5.5	5.5
70°	4.0	4.5	4.5	4.5	4.5
72.5°	3.5	3.5	3.5	3.5	3.5
75°	3.0	3.0	3.0	3.0	3.0
77.5°	2.5	2.5	2.5	2.5	2.5
80°	1.5	2.0	2.0	2.0	2.0
82.5°	1.0	1.0	1.0	1.0	1.0
85°	0.5	0.5	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)