

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: P1311471

Luminaire Tested: P3SQAS17R259050DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311471
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R259050DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

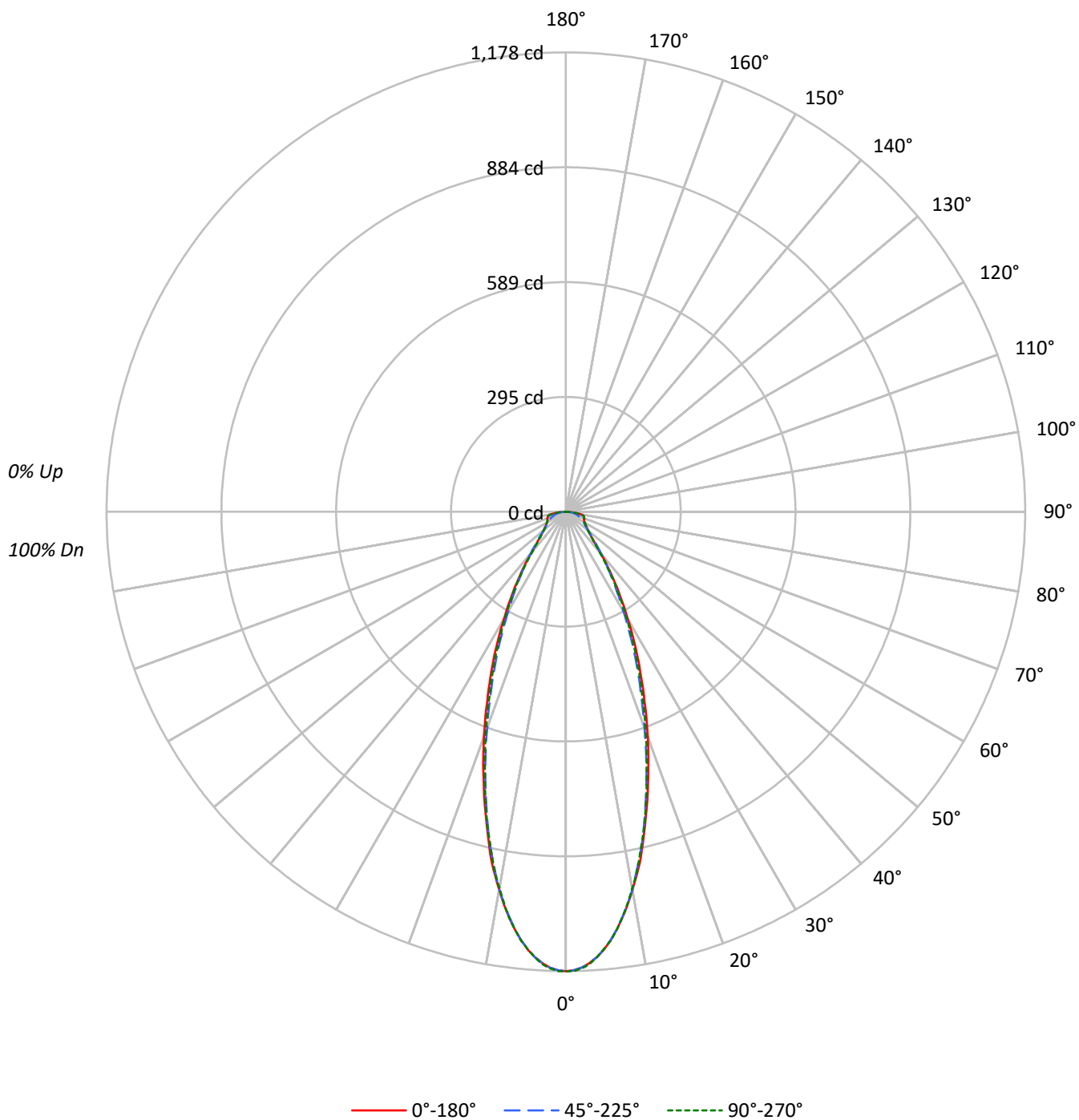
Lumens per Lamp: N/A
Luminaire Lumens: 890.0 lumens
Efficiency: N/A
Efficacy: 42.0 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	111	107	104	101	109	105	102	99	101	99	96		97	95	93		94
2	104	98	92	88	102	96	91	87	93	89	85		89	86	83		87
3	98	90	83	78	95	88	82	78	85	80	76		83	79	75		80
4	92	83	76	71	90	81	75	70	79	74	69		77	72	69		75
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70
6	82	72	65	60	80	71	64	59	69	63	59		68	62	59		66
7	78	67	60	55	76	66	60	55	65	59	55		64	58	55		62
8	74	63	56	52	72	62	56	52	61	55	51		60	55	51		59
9	70	60	53	49	69	59	53	48	58	52	48		57	52	48		56
10	67	56	50	46	66	56	50	46	55	49	46		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	202947	202947	202947
5°	194733	194491	194491
10°	172151	171907	171399
15°	142157	140160	140909
20°	112623	107986	109800
25°	85778	81236	83365
30°	63199	58725	61251
35°	45245	43163	43752
40°	30980	31610	30036
45°	22943	24307	22602
50°	19961	19961	19586
55°	19007	18166	19007
60°	19358	17911	19358
65°	21191	18338	21191
70°	25479	18430	24774
75°	31807	19630	31807
80°	40465	20927	37688
85°	33395	19365	33395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 40465 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.8	11.6
10°-20°	218.5	24.6
20°-30°	200.2	22.5
30°-40°	132.1	14.8
40°-50°	76.9	8.6
50°-60°	56.2	6.3
60°-70°	47.7	5.4
70°-80°	39.4	4.4
80°-90°	16.3	1.8
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°	521.6	58.6
0°-40°	653.6	73.4
0°-60°	786.6	88.4
0°-90°	890.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	890.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1178	1178	1178	1178	1178	
5°	1126	1125	1125	1126	1125	103
15°	797	794	786	789	790	221
25°	451	439	428	429	439	207
35°	215	211	205	205	208	136
45°	94	97	100	94	93	76
55°	63	63	60	62	63	57
65°	52	48	45	48	52	52
75°	48	37	30	37	48	50
85°	17	18	10	18	17	19
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1178.4	1178.4	1178.4	1178.4	1178.4
1°	1175.6	1175.6	1175.6	1175.6	1178.4
2°	1170.0	1168.6	1170.0	1170.0	1171.4
3°	1158.7	1158.7	1158.7	1158.7	1161.6
4°	1144.7	1144.7	1144.7	1144.7	1144.7
5°	1126.4	1125.0	1125.0	1126.4	1125.0
6°	1103.9	1103.9	1103.9	1103.9	1105.3
7°	1078.6	1077.2	1077.2	1075.8	1078.6
8°	1049.1	1049.1	1047.6	1046.2	1049.1
9°	1018.1	1019.5	1016.7	1015.3	1015.3
10°	984.4	983.0	983.0	983.0	980.1
11°	950.6	946.4	945.0	945.0	947.8
12°	916.9	909.8	907.0	907.0	907.0
13°	876.1	873.3	869.1	866.2	867.6
14°	835.3	835.3	828.3	828.3	831.1
15°	797.3	794.5	786.1	788.9	790.3
17.5°	703.1	697.5	687.6	687.6	689.1
20°	614.5	604.7	589.2	596.2	599.1
22.5°	527.3	517.5	502.0	509.1	511.9
25°	451.4	438.7	427.5	428.9	438.7
27.5°	382.5	368.4	357.2	361.4	367.0
30°	317.8	309.4	295.3	302.3	308.0
32.5°	263.0	255.9	246.1	250.3	255.9
35°	215.2	210.9	205.3	205.3	208.1
37.5°	174.4	173.0	170.2	168.7	167.3
40°	137.8	140.6	140.6	137.8	133.6
42.5°	112.5	115.3	118.1	112.5	108.3
45°	94.2	97.0	99.8	94.2	92.8
47.5°	83.0	84.4	85.8	83.0	81.6
50°	74.5	74.5	74.5	73.1	73.1
52.5°	68.9	67.5	66.1	67.5	67.5
55°	63.3	63.3	60.5	61.9	63.3
57.5°	59.1	57.7	56.2	57.7	59.1
60°	56.2	53.4	52.0	53.4	56.2
62.5°	53.4	50.6	47.8	50.6	53.4
65°	52.0	47.8	45.0	47.8	52.0
67.5°	50.6	45.0	40.8	45.0	50.6
70°	50.6	42.2	36.6	42.2	49.2
72.5°	49.2	39.4	33.7	39.4	49.2
75°	47.8	36.6	29.5	36.6	47.8
77.5°	46.4	33.7	25.3	33.7	45.0
80°	40.8	30.9	21.1	30.9	38.0
82.5°	29.5	25.3	16.9	25.3	28.1
85°	16.9	18.3	9.8	18.3	16.9
87.5°	2.8	4.2	2.8	7.0	5.6



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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)