

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: P1311651

Luminaire Tested: P3SQAS20R359050D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311651
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R359050D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

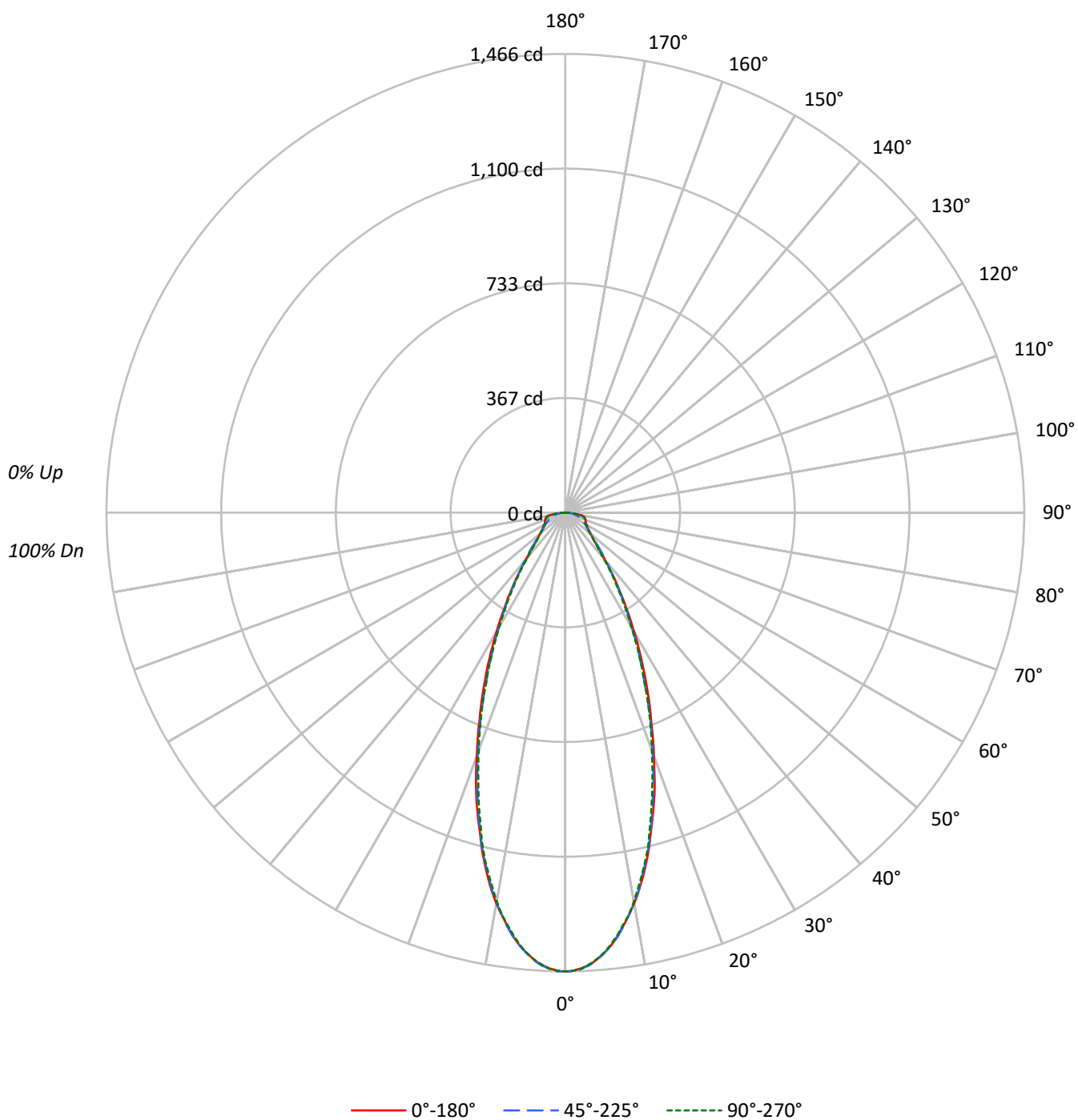
Lumens per Lamp: N/A
Luminaire Lumens: 1213.0 lumens
Efficiency: N/A
Efficacy: 42.1 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	101	96	91	87	92	88	85		89	86	83		86
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80
4	92	82	75	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	84	75	69	64	73	68	63		72	67	63		70
6	82	71	64	59	80	70	64	59	69	63	58		67	62	58		66
7	77	66	60	55	76	66	59	54	64	58	54		63	58	54		62
8	73	62	56	51	72	62	55	51	61	55	51		60	54	50		59
9	70	59	52	48	68	58	52	48	57	52	47		56	51	47		55
10	66	56	49	45	65	55	49	45	54	49	45		53	48	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	252496	252496	252496
5°	244194	244522	244194
10°	221835	221520	220540
15°	188318	187659	186018
20°	151605	149571	148233
25°	117189	113693	113693
30°	87401	84458	83722
35°	62884	62106	60551
40°	43997	45256	42334
45°	32832	34634	31931
50°	28186	28186	27704
55°	26603	25492	26063
60°	27349	24800	26075
65°	29341	24818	28607
70°	34392	26033	33486
75°	42986	27016	41788
80°	54945	29258	49490
85°	43868	29245	43868

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 54945 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.2	10.7
10°-20°	290.6	24.0
20°-30°	277.5	22.9
30°-40°	186.4	15.4
40°-50°	109.4	9.0
50°-60°	78.2	6.5
60°-70°	65.2	5.4
70°-80°	53.4	4.4
80°-90°	22.0	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°	698.3	57.6
0°-40°	884.7	72.9
0°-60°	1072.4	88.4
0°-90°	1213.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1213.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1466	1466	1466	1466	1466	
5°	1412	1416	1414	1412	1412	130
15°	1056	1058	1052	1045	1043	293
25°	617	609	598	598	598	283
35°	299	299	295	290	288	189
45°	135	138	142	135	131	108
55°	89	87	85	85	87	81
65°	72	65	61	65	70	72
75°	65	50	41	50	63	67
85°	22	24	15	24	22	25
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1466.1	1466.1	1466.1	1466.1	1466.1
1°	1464.2	1466.1	1466.1	1464.2	1464.2
2°	1456.9	1460.6	1458.7	1456.9	1458.7
3°	1447.6	1451.3	1449.5	1447.6	1445.8
4°	1432.9	1436.5	1434.7	1431.0	1431.0
5°	1412.5	1416.2	1414.4	1412.5	1412.5
6°	1392.2	1395.9	1392.2	1388.5	1388.5
7°	1364.5	1370.1	1366.4	1362.7	1360.8
8°	1333.1	1338.7	1335.0	1333.1	1329.5
9°	1301.8	1305.4	1299.9	1299.9	1299.9
10°	1268.5	1270.4	1266.7	1261.1	1261.1
11°	1231.6	1229.7	1227.9	1224.2	1220.5
12°	1191.0	1191.0	1185.4	1181.7	1179.9
13°	1148.5	1146.7	1143.0	1139.3	1139.3
14°	1104.2	1104.2	1100.5	1093.1	1095.0
15°	1056.2	1058.0	1052.5	1045.1	1043.3
17.5°	947.2	943.5	934.3	928.8	923.2
20°	827.2	825.4	816.1	810.6	808.8
22.5°	716.4	714.6	705.3	699.8	703.5
25°	616.7	609.3	598.3	598.3	598.3
27.5°	524.4	515.2	507.8	504.1	507.8
30°	439.5	432.1	424.7	422.8	421.0
32.5°	363.8	360.1	356.4	350.8	350.8
35°	299.1	299.1	295.4	289.9	288.0
37.5°	243.7	245.6	243.7	238.2	236.3
40°	195.7	199.4	201.3	195.7	188.3
42.5°	160.6	166.2	169.9	160.6	155.1
45°	134.8	138.5	142.2	134.8	131.1
47.5°	118.2	120.0	121.9	116.3	114.5
50°	105.2	105.2	105.2	103.4	103.4
52.5°	96.0	96.0	94.2	92.3	92.3
55°	88.6	86.8	84.9	84.9	86.8
57.5°	83.1	81.2	77.6	79.4	81.2
60°	79.4	75.7	72.0	73.9	75.7
62.5°	73.9	70.2	66.5	68.3	72.0
65°	72.0	64.6	60.9	64.6	70.2
67.5°	70.2	60.9	55.4	60.9	68.3
70°	68.3	57.2	51.7	57.2	66.5
72.5°	66.5	53.5	46.2	53.5	64.6
75°	64.6	49.9	40.6	49.9	62.8
77.5°	60.9	46.2	35.1	46.2	57.2
80°	55.4	42.5	29.5	40.6	49.9
82.5°	40.6	35.1	24.0	35.1	36.9
85°	22.2	24.0	14.8	24.0	22.2
87.5°	1.8	3.7	3.7	11.1	7.4



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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)