

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: P1317437

Luminaire Tested: P3SQAS20R359830D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317437
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: P3SQAS20R359830D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 98CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

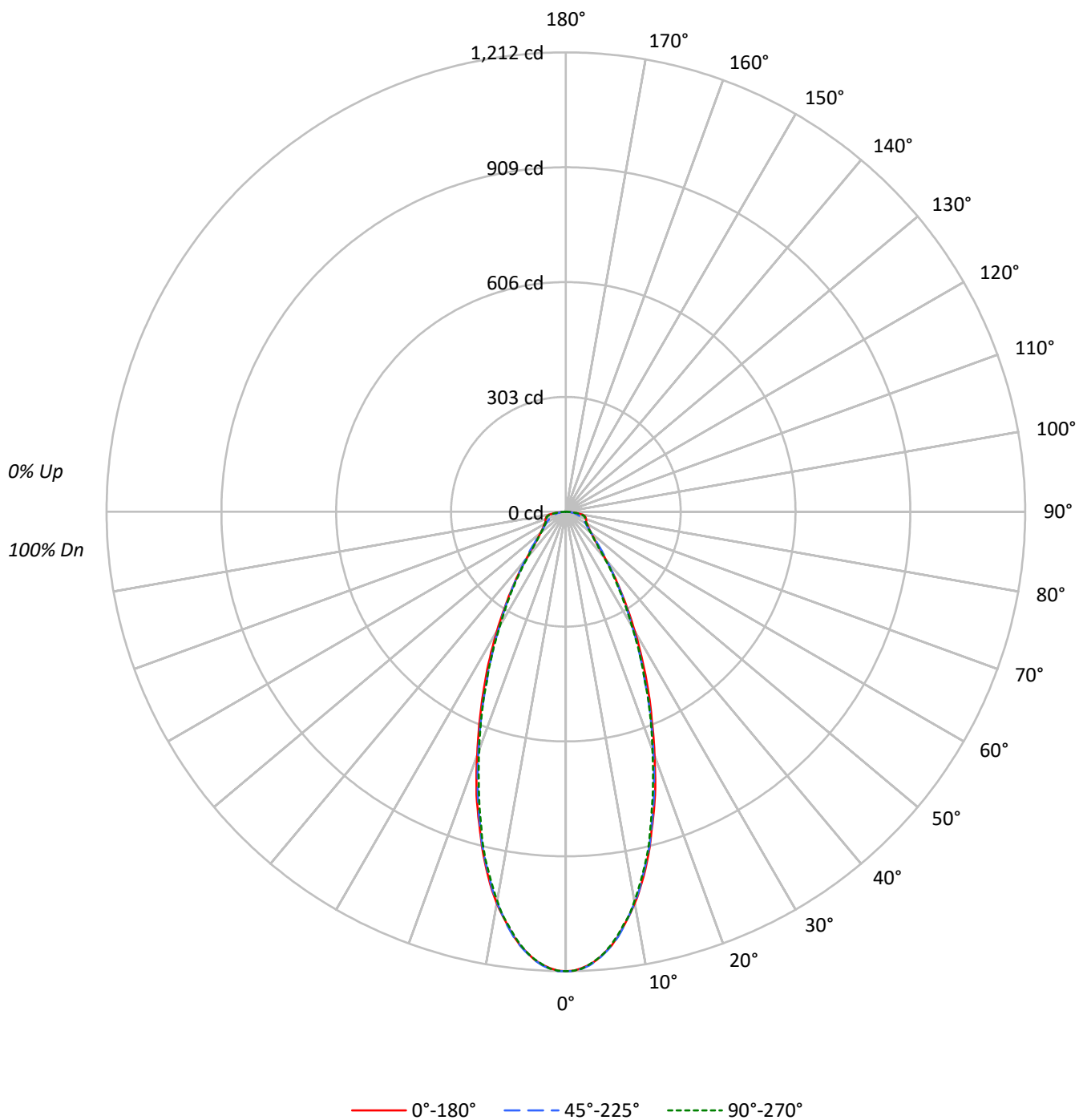
Lumens per Lamp: N/A
Luminaire Lumens: 1003.0 lumens
Efficiency: N/A
Efficacy: 36.6 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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°	208786	208786	208786
5°	201924	202184	201924
10°	183431	183169	182364
15°	155708	155173	153800
20°	125360	123674	122556
25°	96895	94006	94006
30°	72268	69842	69225
35°	51994	51363	50080
40°	36376	37410	35005
45°	27157	28643	26402
50°	23310	23310	22908
55°	22009	21078	21559
60°	22630	20494	21562
65°	24247	20539	23636
70°	28450	21552	27695
75°	35533	22358	34535
80°	45424	24200	40862
85°	36161	24108	36161

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 45424 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.7	10.7
10°-20°	240.3	24.0
20°-30°	229.5	22.9
30°-40°	154.1	15.4
40°-50°	90.5	9.0
50°-60°	64.7	6.5
60°-70°	53.9	5.4
70°-80°	44.2	4.4
80°-90°	18.2	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°	577.4	57.6
0°-40°	731.6	72.9
0°-60°	886.8	88.4
0°-90°	1003.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1003.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1212	1212	1212	1212	1212	
5°	1168	1171	1170	1168	1168	108
15°	873	875	870	864	863	242
25°	510	504	495	495	495	234
35°	247	247	244	240	238	157
45°	112	114	118	112	108	90
55°	73	72	70	70	72	67
65°	60	53	50	53	58	59
75°	53	41	34	41	52	55
85°	18	20	12	20	18	21
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1212.3	1212.3	1212.3	1212.3	1212.3
1°	1210.7	1212.3	1212.3	1210.7	1210.7
2°	1204.6	1207.7	1206.2	1204.6	1206.2
3°	1197.0	1200.1	1198.5	1197.0	1195.5
4°	1184.8	1187.8	1186.3	1183.3	1183.3
5°	1168.0	1171.1	1169.5	1168.0	1168.0
6°	1151.2	1154.3	1151.2	1148.2	1148.2
7°	1128.3	1132.9	1129.8	1126.8	1125.2
8°	1102.3	1106.9	1103.9	1102.3	1099.3
9°	1076.4	1079.4	1074.9	1074.9	1074.9
10°	1048.9	1050.4	1047.4	1042.8	1042.8
11°	1018.4	1016.8	1015.3	1012.3	1009.2
12°	984.8	984.8	980.2	977.1	975.6
13°	949.7	948.1	945.1	942.0	942.0
14°	913.0	913.0	910.0	903.9	905.4
15°	873.3	874.9	870.3	864.2	862.6
17.5°	783.2	780.2	772.6	768.0	763.4
20°	684.0	682.5	674.8	670.3	668.7
22.5°	592.4	590.9	583.2	578.7	581.7
25°	509.9	503.8	494.7	494.7	494.7
27.5°	433.6	426.0	419.9	416.8	419.9
30°	363.4	357.3	351.2	349.6	348.1
32.5°	300.8	297.7	294.7	290.1	290.1
35°	247.3	247.3	244.3	239.7	238.2
37.5°	201.5	203.1	201.5	197.0	195.4
40°	161.8	164.9	166.4	161.8	155.7
42.5°	132.8	137.4	140.5	132.8	128.3
45°	111.5	114.5	117.6	111.5	108.4
47.5°	97.7	99.2	100.8	96.2	94.7
50°	87.0	87.0	87.0	85.5	85.5
52.5°	79.4	79.4	77.9	76.3	76.3
55°	73.3	71.8	70.2	70.2	71.8
57.5°	68.7	67.2	64.1	65.7	67.2
60°	65.7	62.6	59.5	61.1	62.6
62.5°	61.1	58.0	55.0	56.5	59.5
65°	59.5	53.4	50.4	53.4	58.0
67.5°	58.0	50.4	45.8	50.4	56.5
70°	56.5	47.3	42.8	47.3	55.0
72.5°	55.0	44.3	38.2	44.3	53.4
75°	53.4	41.2	33.6	41.2	51.9
77.5°	50.4	38.2	29.0	38.2	47.3
80°	45.8	35.1	24.4	33.6	41.2
82.5°	33.6	29.0	19.8	29.0	30.5
85°	18.3	19.8	12.2	19.8	18.3
87.5°	1.5	3.1	3.1	9.2	6.1



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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)