

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: P1312769

Luminaire Tested: P3SQAS20R359727D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312769
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: P3SQAS20R359727D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

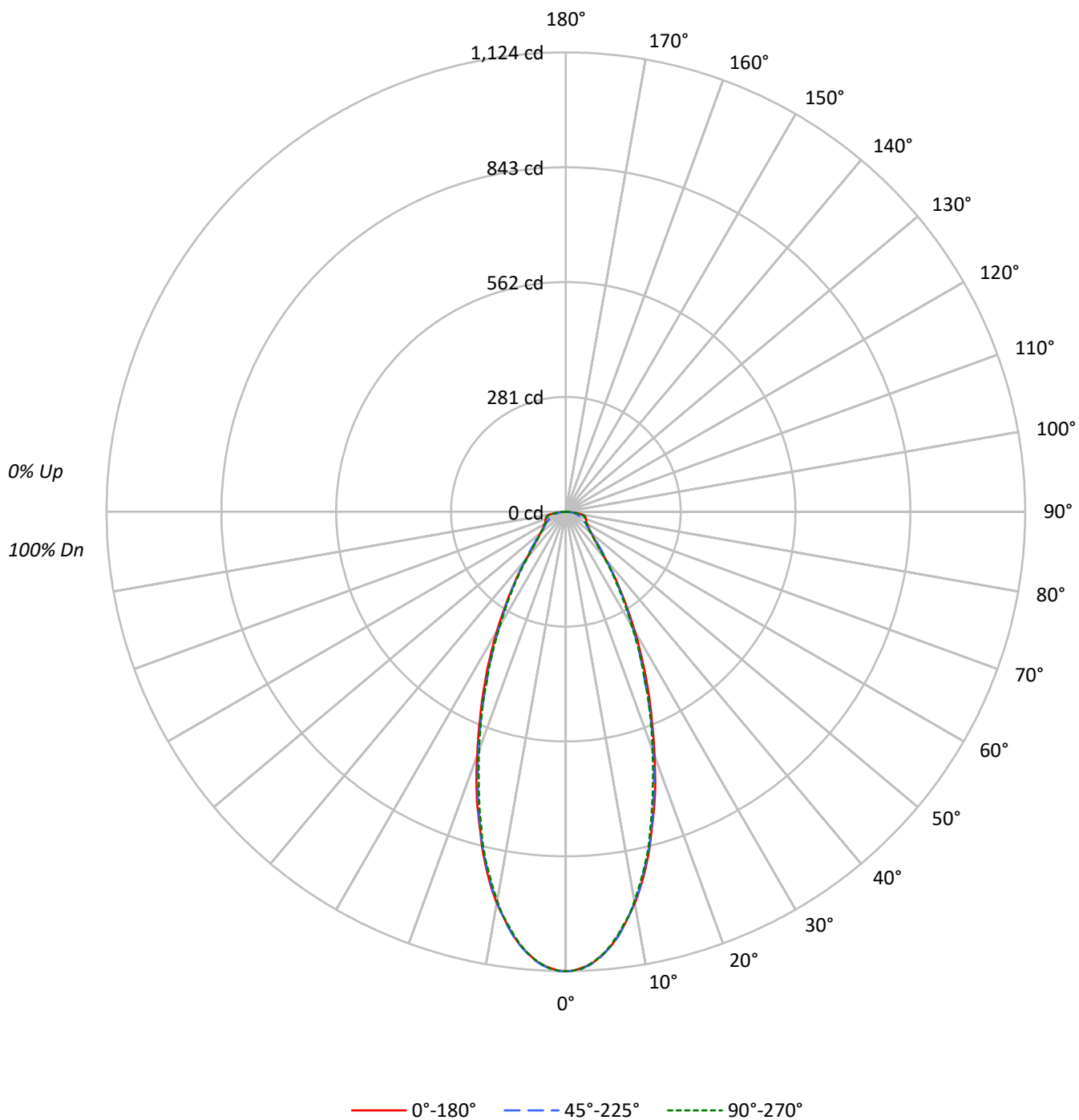
Lumens per Lamp: N/A
Luminaire Lumens: 930.0 lumens
Efficiency: N/A
Efficacy: 32.3 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	193578	193578	193578
5°	187230	187472	187230
10°	170088	169843	169091
15°	144386	143869	142621
20°	116233	114675	113649
25°	89845	87165	87165
30°	66998	64751	64194
35°	48209	47620	46422
40°	33746	34690	32464
45°	25160	26548	24478
50°	21622	21622	21247
55°	20418	19547	19967
60°	20977	19013	19978
65°	22495	19031	21924
70°	26386	19940	25681
75°	32938	20694	32007
80°	42151	22514	37886
85°	33593	22329	33593

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 42151 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.8	10.7
10°-20°	222.8	24.0
20°-30°	212.8	22.9
30°-40°	142.9	15.4
40°-50°	83.9	9.0
50°-60°	60.0	6.5
60°-70°	50.0	5.4
70°-80°	40.9	4.4
80°-90°	16.9	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°	535.4	57.6
0°-40°	678.3	72.9
0°-60°	822.2	88.4
0°-90°	930.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	930.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1124	1124	1124	1124	1124	
5°	1083	1086	1084	1083	1083	100
15°	810	811	807	801	800	224
25°	473	467	459	459	459	217
35°	229	229	226	222	221	145
45°	103	106	109	103	100	83
55°	68	66	65	65	66	62
65°	55	50	47	50	54	55
75°	50	38	31	38	48	51
85°	17	18	11	18	17	19
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1124.0	1124.0	1124.0	1124.0	1124.0
1°	1122.6	1124.0	1124.0	1122.6	1122.6
2°	1117.0	1119.8	1118.4	1117.0	1118.4
3°	1109.9	1112.7	1111.3	1109.9	1108.5
4°	1098.6	1101.4	1100.0	1097.1	1097.1
5°	1083.0	1085.8	1084.4	1083.0	1083.0
6°	1067.4	1070.2	1067.4	1064.6	1064.6
7°	1046.2	1050.4	1047.6	1044.8	1043.4
8°	1022.1	1026.4	1023.5	1022.1	1019.3
9°	998.0	1000.9	996.6	996.6	996.6
10°	972.6	974.0	971.2	966.9	966.9
11°	944.3	942.8	941.4	938.6	935.8
12°	913.1	913.1	908.9	906.0	904.6
13°	880.5	879.1	876.3	873.5	873.5
14°	846.6	846.6	843.7	838.1	839.5
15°	809.8	811.2	806.9	801.3	799.9
17.5°	726.2	723.4	716.3	712.1	707.8
20°	634.2	632.8	625.7	621.5	620.1
22.5°	549.3	547.9	540.8	536.5	539.4
25°	472.8	467.2	458.7	458.7	458.7
27.5°	402.1	395.0	389.3	386.5	389.3
30°	336.9	331.3	325.6	324.2	322.8
32.5°	278.9	276.1	273.2	269.0	269.0
35°	229.3	229.3	226.5	222.3	220.8
37.5°	186.9	188.3	186.9	182.6	181.2
40°	150.1	152.9	154.3	150.1	144.4
42.5°	123.2	127.4	130.2	123.2	118.9
45°	103.3	106.2	109.0	103.3	100.5
47.5°	90.6	92.0	93.4	89.2	87.8
50°	80.7	80.7	80.7	79.3	79.3
52.5°	73.6	73.6	72.2	70.8	70.8
55°	68.0	66.5	65.1	65.1	66.5
57.5°	63.7	62.3	59.5	60.9	62.3
60°	60.9	58.0	55.2	56.6	58.0
62.5°	56.6	53.8	51.0	52.4	55.2
65°	55.2	49.5	46.7	49.5	53.8
67.5°	53.8	46.7	42.5	46.7	52.4
70°	52.4	43.9	39.6	43.9	51.0
72.5°	51.0	41.1	35.4	41.1	49.5
75°	49.5	38.2	31.1	38.2	48.1
77.5°	46.7	35.4	26.9	35.4	43.9
80°	42.5	32.6	22.7	31.1	38.2
82.5°	31.1	26.9	18.4	26.9	28.3
85°	17.0	18.4	11.3	18.4	17.0
87.5°	1.4	2.8	2.8	8.5	5.7



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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)