

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: P1314679

Luminaire Tested: P3SQAS20R259735D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314679
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: P3SQAS20R259735D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

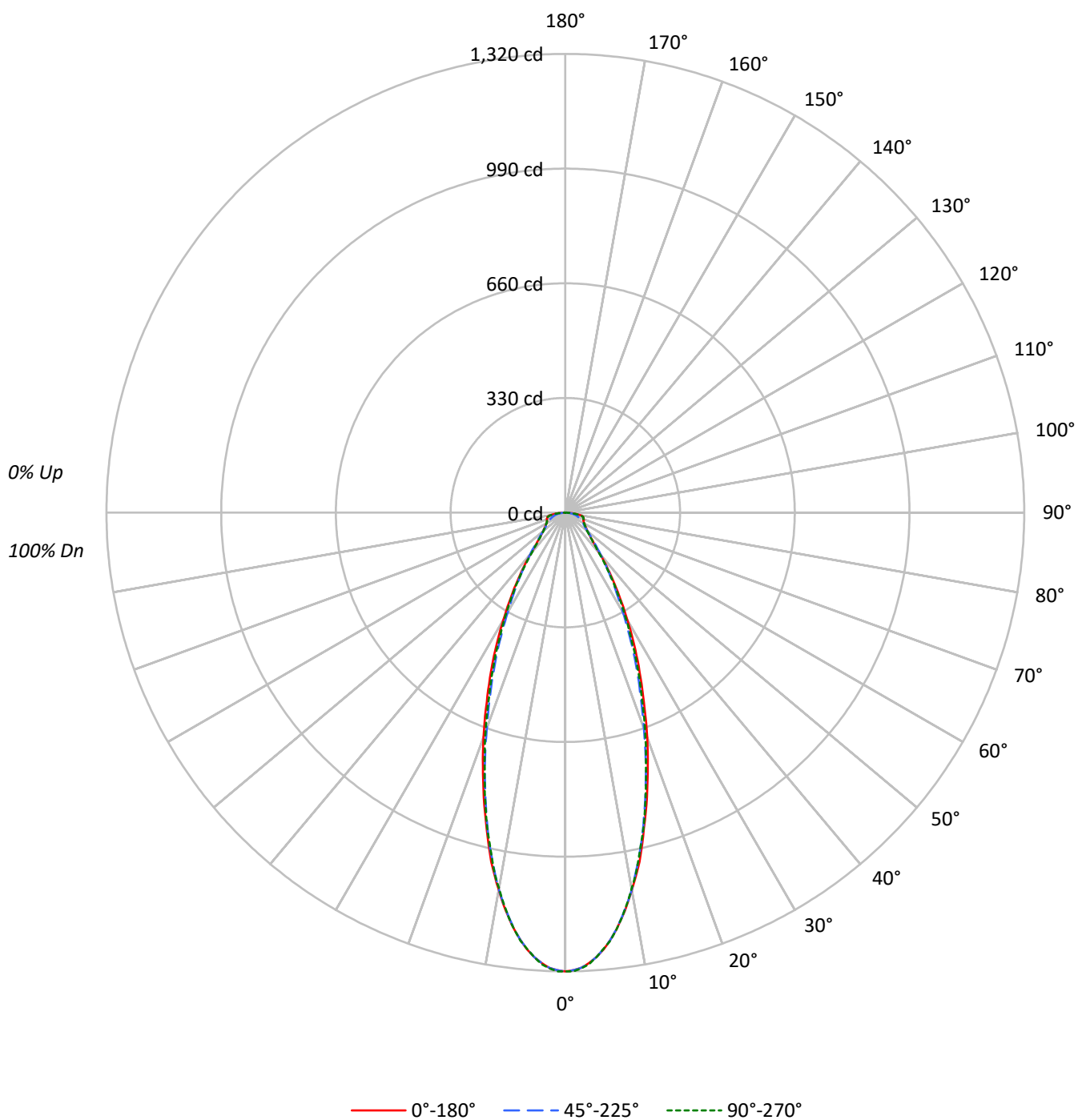
Lumens per Lamp: N/A
Luminaire Lumens: 997.0 lumens
Efficiency: N/A
Efficacy: 34.6 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	227351	227351	227351
5°	218141	217864	217864
10°	192840	192560	192018
15°	159256	157009	157847
20°	126167	120980	122996
25°	96096	91004	93398
30°	70796	65785	68609
35°	50669	48356	49008
40°	34712	35409	33656
45°	25696	27230	25330
50°	22372	22372	21944
55°	21289	20328	21289
60°	21700	20081	21700
65°	23758	20539	23758
70°	28551	20645	27745
75°	35666	22025	35666
80°	45325	23406	42151
85°	37347	21736	37347

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 45325 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.2	11.6
10°-20°	244.8	24.5
20°-30°	224.3	22.5
30°-40°	147.9	14.8
40°-50°	86.1	8.6
50°-60°	62.9	6.3
60°-70°	53.4	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°	584.3	58.6
0°-40°	732.2	73.4
0°-60°	881.2	88.4
0°-90°	997.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	997.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1320	1320	1320	1320	1320	
5°	1262	1260	1260	1262	1260	115
15°	893	890	881	884	885	248
25°	506	492	479	480	492	232
35°	241	236	230	230	233	152
45°	106	109	112	106	104	85
55°	71	71	68	69	71	64
65°	58	54	50	54	58	58
75°	54	41	33	41	54	56
85°	19	20	11	20	19	21
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1320.1	1320.1	1320.1	1320.1	1320.1
1°	1317.0	1317.0	1317.0	1317.0	1320.1
2°	1310.7	1309.1	1310.7	1310.7	1312.2
3°	1298.0	1298.0	1298.0	1298.0	1301.2
4°	1282.3	1282.3	1282.3	1282.3	1282.3
5°	1261.8	1260.2	1260.2	1261.8	1260.2
6°	1236.6	1236.6	1236.6	1236.6	1238.2
7°	1208.3	1206.7	1206.7	1205.1	1208.3
8°	1175.2	1175.2	1173.6	1172.0	1175.2
9°	1140.5	1142.1	1138.9	1137.4	1137.4
10°	1102.7	1101.1	1101.1	1101.1	1098.0
11°	1064.9	1060.2	1058.6	1058.6	1061.8
12°	1027.1	1019.2	1016.1	1016.1	1016.1
13°	981.4	978.3	973.5	970.4	972.0
14°	935.7	935.7	927.9	927.9	931.0
15°	893.2	890.0	880.6	883.7	885.3
17.5°	787.7	781.3	770.3	770.3	771.9
20°	688.4	677.4	660.1	667.9	671.1
22.5°	590.7	579.7	562.4	570.3	573.4
25°	505.7	491.5	478.9	480.5	491.5
27.5°	428.5	412.7	400.1	404.9	411.2
30°	356.0	346.6	330.8	338.7	345.0
32.5°	294.6	286.7	275.7	280.4	286.7
35°	241.0	236.3	230.0	230.0	233.1
37.5°	195.3	193.8	190.6	189.0	187.5
40°	154.4	157.5	157.5	154.4	149.7
42.5°	126.0	129.2	132.3	126.0	121.3
45°	105.5	108.7	111.8	105.5	104.0
47.5°	92.9	94.5	96.1	92.9	91.4
50°	83.5	83.5	83.5	81.9	81.9
52.5°	77.2	75.6	74.0	75.6	75.6
55°	70.9	70.9	67.7	69.3	70.9
57.5°	66.2	64.6	63.0	64.6	66.2
60°	63.0	59.9	58.3	59.9	63.0
62.5°	59.9	56.7	53.6	56.7	59.9
65°	58.3	53.6	50.4	53.6	58.3
67.5°	56.7	50.4	45.7	50.4	56.7
70°	56.7	47.3	41.0	47.3	55.1
72.5°	55.1	44.1	37.8	44.1	55.1
75°	53.6	41.0	33.1	41.0	53.6
77.5°	52.0	37.8	28.4	37.8	50.4
80°	45.7	34.7	23.6	34.7	42.5
82.5°	33.1	28.4	18.9	28.4	31.5
85°	18.9	20.5	11.0	20.5	18.9
87.5°	3.2	4.7	3.2	7.9	6.3



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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)