

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: P1313724

Luminaire Tested: P3SQAS20R309730D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313724
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R309730D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

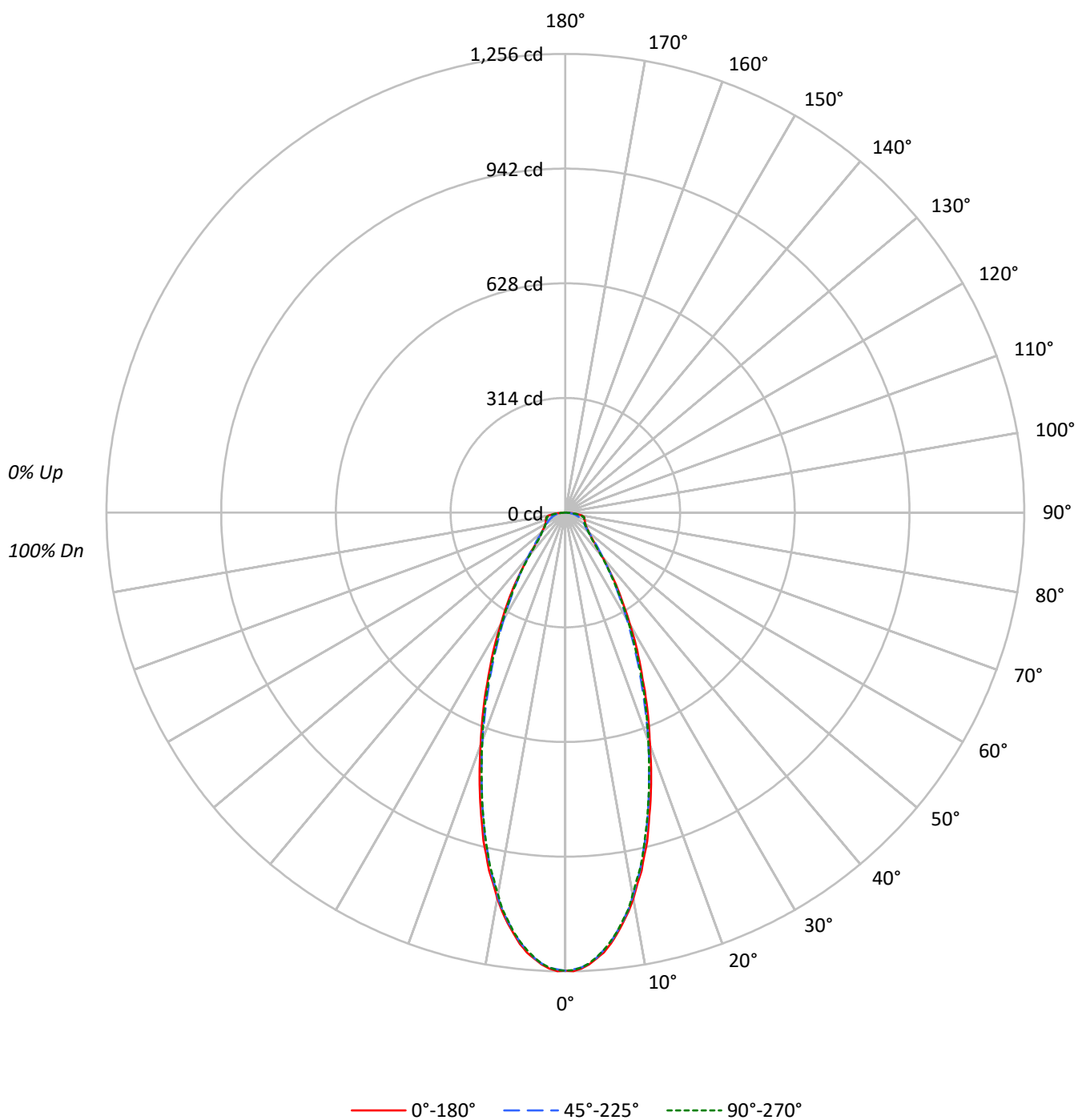
Lumens per Lamp: N/A
Luminaire Lumens: 989.0 lumens
Efficiency: N/A
Efficacy: 34.3 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	92	88	85		89	86	83		86
3	97	89	83	78	95	88	82	77	85	80	76		83	78	75		80
4	92	82	76	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	85	75	69	64	74	68	63		72	67	63		70
6	82	71	64	59	80	70	64	59	69	63	59		67	62	58		66
7	77	67	60	55	76	66	60	55	65	59	55		63	58	54		62
8	74	63	56	51	72	62	56	51	61	55	51		60	55	51		59
9	70	59	53	48	69	59	52	48	58	52	48		57	51	48		56
10	67	56	50	45	66	56	49	45	55	49	45		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	216002	216002	216002
5°	208961	207923	207923
10°	187541	186474	185687
15°	157170	154745	154477
20°	124096	121585	121585
25°	94975	91251	92961
30°	70478	66878	68370
35°	50942	48714	49050
40°	35072	35746	34060
45°	26183	27303	25087
50°	22721	22319	22319
55°	21379	20478	20928
60°	21907	20357	21390
65°	24084	20376	23473
70°	28199	20595	27443
75°	36265	22158	35267
80°	45027	24001	42052
85°	35964	23910	33000

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 45027 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.6	11.2
10°-20°	240.5	24.3
20°-30°	224.1	22.7
30°-40°	148.7	15.0
40°-50°	86.6	8.8
50°-60°	63.0	6.4
60°-70°	53.2	5.4
70°-80°	44.1	4.5
80°-90°	18.3	1.9
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°	575.1	58.2
0°-40°	723.8	73.2
0°-60°	873.3	88.3
0°-90°	989.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	989.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1254	1254	1254	1254	1254	
5°	1209	1207	1203	1203	1203	111
15°	882	872	868	866	866	244
25°	500	491	480	482	489	230
35°	242	238	232	233	233	152
45°	108	109	112	106	103	86
55°	71	70	68	70	70	65
65°	59	53	50	53	58	59
75°	54	41	33	41	53	56
85°	18	21	12	20	17	21
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1254.2	1254.2	1254.2	1254.2	1254.2
1°	1255.7	1254.2	1251.1	1252.6	1252.6
2°	1249.6	1248.1	1246.6	1246.6	1246.6
3°	1239.0	1237.5	1236.0	1236.0	1236.0
4°	1223.9	1222.3	1222.3	1220.8	1220.8
5°	1208.7	1207.2	1202.7	1202.7	1202.7
6°	1187.5	1186.0	1183.0	1181.5	1181.5
7°	1161.8	1161.8	1157.2	1155.7	1157.2
8°	1134.5	1133.0	1130.0	1128.4	1128.4
9°	1105.7	1101.2	1101.2	1096.6	1099.7
10°	1072.4	1069.4	1066.3	1063.3	1061.8
11°	1034.5	1033.0	1028.5	1025.4	1023.9
12°	1002.7	995.1	992.1	987.6	990.6
13°	961.8	957.3	949.7	948.2	949.7
14°	927.0	917.9	911.8	908.8	907.3
15°	881.5	872.5	867.9	866.4	866.4
17.5°	780.1	774.0	761.9	761.9	761.9
20°	677.1	671.0	663.4	661.9	663.4
22.5°	587.7	577.1	565.0	566.5	575.6
25°	499.8	490.8	480.2	481.7	489.2
27.5°	425.6	413.5	402.9	405.9	410.5
30°	354.4	346.9	336.3	339.3	343.8
32.5°	293.8	289.3	277.2	280.2	284.8
35°	242.3	237.8	231.7	233.3	233.3
37.5°	193.9	193.9	192.4	190.8	189.3
40°	156.0	159.0	159.0	154.5	151.5
42.5°	127.2	130.3	133.3	127.2	122.7
45°	107.5	109.1	112.1	106.0	103.0
47.5°	93.9	93.9	96.9	92.4	90.9
50°	84.8	84.8	83.3	81.8	83.3
52.5°	77.2	75.7	74.2	75.7	75.7
55°	71.2	69.7	68.2	69.7	69.7
57.5°	66.6	65.1	63.6	63.6	65.1
60°	63.6	60.6	59.1	60.6	62.1
62.5°	60.6	56.0	54.5	56.0	59.1
65°	59.1	53.0	50.0	53.0	57.6
67.5°	57.6	50.0	45.4	50.0	56.0
70°	56.0	47.0	40.9	47.0	54.5
72.5°	54.5	43.9	37.9	43.9	54.5
75°	54.5	40.9	33.3	40.9	53.0
77.5°	51.5	37.9	28.8	37.9	50.0
80°	45.4	34.8	24.2	33.3	42.4
82.5°	33.3	30.3	18.2	28.8	31.8
85°	18.2	21.2	12.1	19.7	16.7
87.5°	3.0	4.5	3.0	9.1	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)