

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: P1314647

Luminaire Tested: P3SQAS20R159735D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314647
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R159735D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

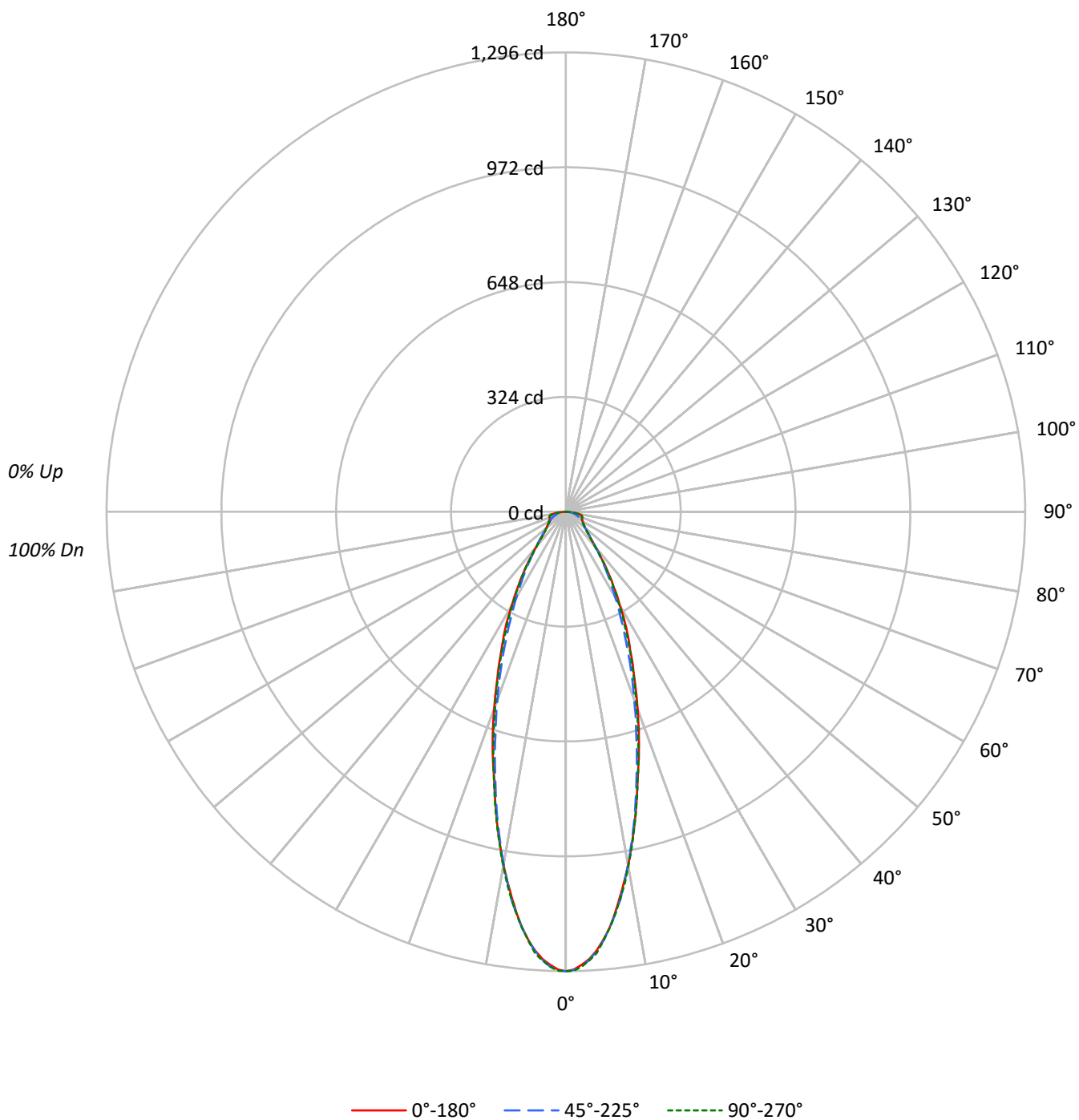
Lumens per Lamp: N/A
Luminaire Lumens: 869.1 lumens
Efficiency: N/A
Efficacy: 30.2 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	108	104	101	109	105	102	100	101	99	96		97	95	94		94
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87
3	98	90	84	79	96	88	83	78	86	81	77		83	79	76		81
4	92	83	76	71	90	82	76	71	80	74	70		77	73	69		75
5	87	77	70	65	85	76	70	65	74	69	64		72	68	64		71
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67
7	78	68	61	56	77	67	60	56	66	60	56		64	59	55		63
8	74	64	57	52	73	63	57	52	62	56	52		61	56	52		60
9	71	60	54	49	70	60	53	49	59	53	49		58	53	49		57
10	68	57	51	47	67	57	51	47	56	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	223252	223252	223252
5°	209669	209946	209946
10°	177118	176558	177660
15°	139286	137325	139572
20°	108261	103349	106813
25°	81711	76030	80514
30°	60773	55444	59520
35°	43374	40409	42722
40°	29384	29744	29047
45°	21872	23016	21872
50°	18996	18996	18996
55°	18436	17505	18436
60°	18979	17360	18462
65°	20539	17971	20539
70°	24573	18228	24573
75°	31474	18898	31474
80°	39077	20332	37490
85°	31221	18772	34185

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 39077 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.3	12.6
10°-20°	216.1	24.9
20°-30°	191.0	22.0
30°-40°	125.5	14.4
40°-50°	73.3	8.4
50°-60°	54.0	6.2
60°-70°	46.0	5.3
70°-80°	38.0	4.4
80°-90°	15.7	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°	516.5	59.4
0°-40°	642.0	73.9
0°-60°	769.3	88.5
0°-90°	869.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	869.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1296	1296	1296	1296	1296	
5°	1213	1213	1214	1216	1214	109
15°	781	781	770	780	783	218
25°	430	416	400	411	424	199
35°	206	198	192	197	203	130
45°	90	91	94	91	90	72
55°	61	60	58	60	61	55
65°	50	46	44	46	50	50
75°	47	35	28	36	47	48
85°	16	17	10	16	17	18
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1296.3	1296.3	1296.3	1296.3	1296.3
1°	1291.6	1293.1	1293.1	1294.7	1294.7
2°	1279.0	1282.1	1283.7	1283.7	1283.7
3°	1263.2	1264.8	1266.4	1267.9	1267.9
4°	1241.2	1242.7	1242.7	1245.9	1247.5
5°	1212.8	1212.8	1214.4	1216.0	1214.4
6°	1179.7	1179.7	1181.3	1181.3	1181.3
7°	1140.4	1141.9	1143.5	1145.1	1143.5
8°	1097.8	1099.4	1104.1	1104.1	1102.6
9°	1055.3	1056.9	1056.9	1061.6	1061.6
10°	1012.8	1012.8	1009.6	1012.8	1015.9
12.5°	897.8	896.2	891.5	896.2	899.4
15°	781.2	781.2	770.2	779.7	782.8
17.5°	686.7	672.6	661.5	671.0	678.9
20°	590.7	576.5	563.9	573.3	582.8
22.5°	504.0	493.0	477.2	486.7	497.7
25°	430.0	415.8	400.1	411.1	423.7
27.5°	368.6	349.7	333.9	346.5	357.5
30°	305.6	293.0	278.8	288.2	299.3
32.5°	252.0	242.6	231.5	239.4	248.9
35°	206.3	198.5	192.2	196.9	203.2
37.5°	165.4	162.2	159.1	160.7	160.7
40°	130.7	132.3	132.3	132.3	129.2
42.5°	107.1	108.7	111.8	108.7	107.1
45°	89.8	91.4	94.5	91.4	89.8
47.5°	78.8	80.3	81.9	78.8	78.8
50°	70.9	70.9	70.9	70.9	70.9
52.5°	66.2	64.6	64.6	64.6	66.2
55°	61.4	59.9	58.3	59.9	61.4
57.5°	56.7	55.1	53.6	55.1	56.7
60°	55.1	52.0	50.4	52.0	53.6
62.5°	52.0	48.8	47.3	48.8	52.0
65°	50.4	45.7	44.1	45.7	50.4
67.5°	48.8	42.5	39.4	42.5	48.8
70°	48.8	39.4	36.2	41.0	48.8
72.5°	47.3	37.8	31.5	37.8	47.3
75°	47.3	34.7	28.4	36.2	47.3
77.5°	44.1	31.5	23.6	33.1	44.1
80°	39.4	28.4	20.5	29.9	37.8
82.5°	28.4	23.6	15.8	23.6	28.4
85°	15.8	17.3	9.5	15.8	17.3
87.5°	1.6	4.7	3.2	9.5	7.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)