

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: P1318247

Luminaire Tested: P3SQAS20R159835D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318247
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: P3SQAS20R159835D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 98CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

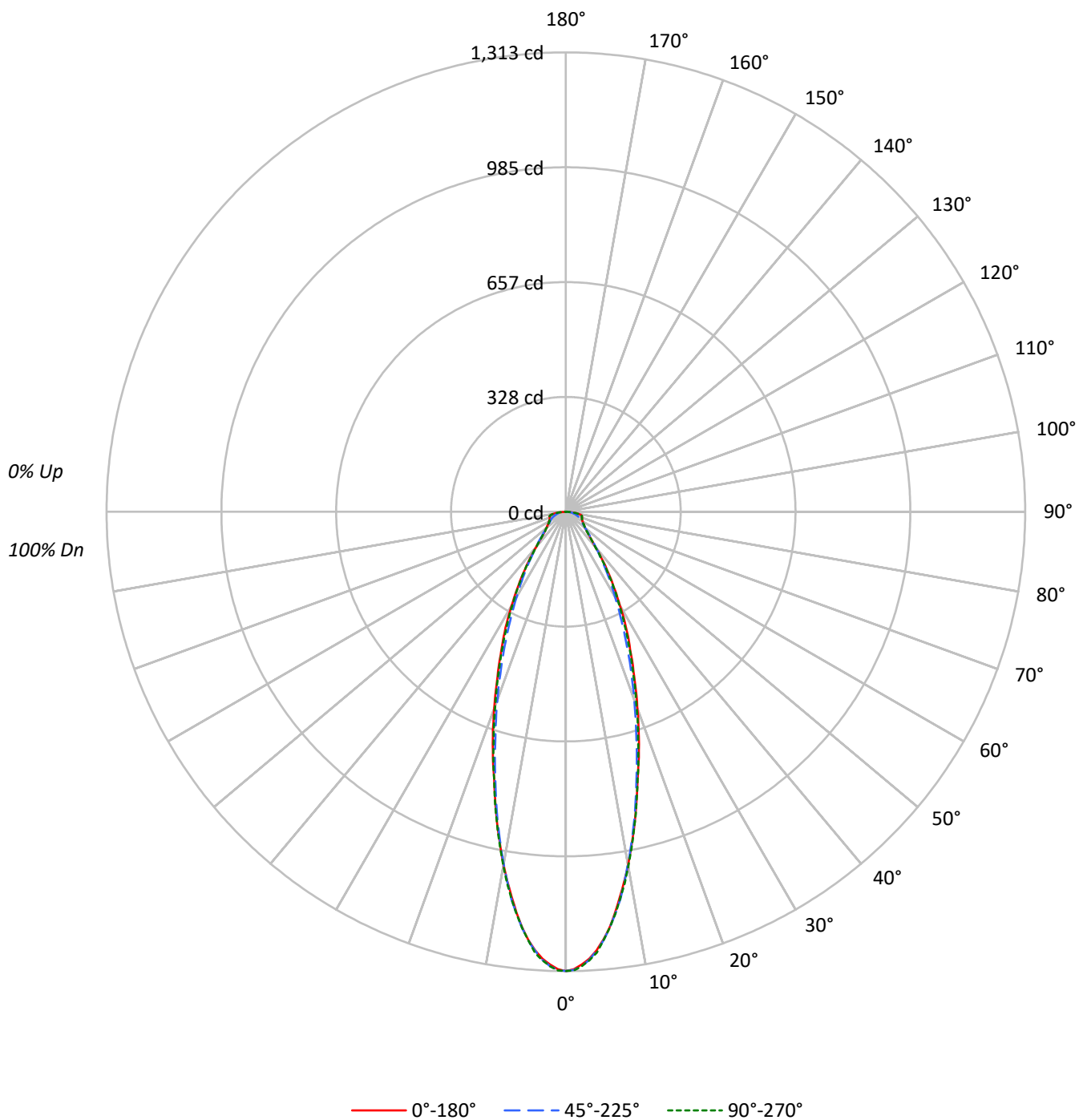
Lumens per Lamp: N/A
Luminaire Lumens: 880.0 lumens
Efficiency: N/A
Efficacy: 32.1 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	226077	226077	226077
5°	212332	212608	212608
10°	179356	178797	179916
15°	141052	139072	141337
20°	109617	104650	108169
25°	82738	76980	81540
30°	61529	56140	60276
35°	43920	40914	43268
40°	29766	30126	29407
45°	22140	23309	22140
50°	19237	19237	19237
55°	18676	17715	18676
60°	19220	17567	18669
65°	20783	18216	20783
70°	24875	18480	24875
75°	31873	19097	31873
80°	39572	20530	37986
85°	31617	18970	34581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 39572 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.7	12.6
10°-20°	218.9	24.9
20°-30°	193.4	22.0
30°-40°	127.1	14.4
40°-50°	74.3	8.4
50°-60°	54.7	6.2
60°-70°	46.6	5.3
70°-80°	38.4	4.4
80°-90°	15.9	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°	523.0	59.4
0°-40°	650.1	73.9
0°-60°	779.1	88.5
0°-90°	880.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	880.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1313	1313	1313	1313	1313	
5°	1228	1228	1230	1231	1230	110
15°	791	791	780	790	793	221
25°	435	421	405	416	429	201
35°	209	201	195	199	206	132
45°	91	92	96	92	91	73
55°	62	61	59	61	62	56
65°	51	46	45	46	51	51
75°	48	35	29	37	48	49
85°	16	18	10	16	18	18
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1312.7	1312.7	1312.7	1312.7	1312.7
1°	1307.9	1309.5	1309.5	1311.1	1311.1
2°	1295.1	1298.3	1299.9	1299.9	1299.9
3°	1279.2	1280.8	1282.4	1284.0	1284.0
4°	1256.9	1258.5	1258.5	1261.7	1263.2
5°	1228.2	1228.2	1229.8	1231.3	1229.8
6°	1194.7	1194.7	1196.3	1196.3	1196.3
7°	1154.8	1156.4	1158.0	1159.6	1158.0
8°	1111.7	1113.3	1118.1	1118.1	1116.5
9°	1068.7	1070.3	1070.3	1075.0	1075.0
10°	1025.6	1025.6	1022.4	1025.6	1028.8
12.5°	909.2	907.6	902.8	907.6	910.8
15°	791.1	791.1	780.0	789.5	792.7
17.5°	695.4	681.1	669.9	679.5	687.4
20°	598.1	583.8	571.0	580.6	590.2
22.5°	510.4	499.2	483.3	492.9	504.0
25°	435.4	421.1	405.1	416.3	429.1
27.5°	373.2	354.1	338.1	350.9	362.1
30°	309.4	296.7	282.3	291.9	303.1
32.5°	255.2	245.6	234.5	242.4	252.0
35°	208.9	201.0	194.6	199.4	205.8
37.5°	167.5	164.3	161.1	162.7	162.7
40°	132.4	134.0	134.0	134.0	130.8
42.5°	108.5	110.1	113.2	110.1	108.5
45°	90.9	92.5	95.7	92.5	90.9
47.5°	79.8	81.3	82.9	79.8	79.8
50°	71.8	71.8	71.8	71.8	71.8
52.5°	67.0	65.4	65.4	65.4	67.0
55°	62.2	60.6	59.0	60.6	62.2
57.5°	57.4	55.8	54.2	55.8	57.4
60°	55.8	52.6	51.0	52.6	54.2
62.5°	52.6	49.4	47.9	49.4	52.6
65°	51.0	46.3	44.7	46.3	51.0
67.5°	49.4	43.1	39.9	43.1	49.4
70°	49.4	39.9	36.7	41.5	49.4
72.5°	47.9	38.3	31.9	38.3	47.9
75°	47.9	35.1	28.7	36.7	47.9
77.5°	44.7	31.9	23.9	33.5	44.7
80°	39.9	28.7	20.7	30.3	38.3
82.5°	28.7	23.9	16.0	23.9	28.7
85°	16.0	17.5	9.6	16.0	17.5
87.5°	1.6	4.8	3.2	9.6	8.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)