

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: P1314662

Luminaire Tested: P3SQAS20R209735D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314662
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R209735D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

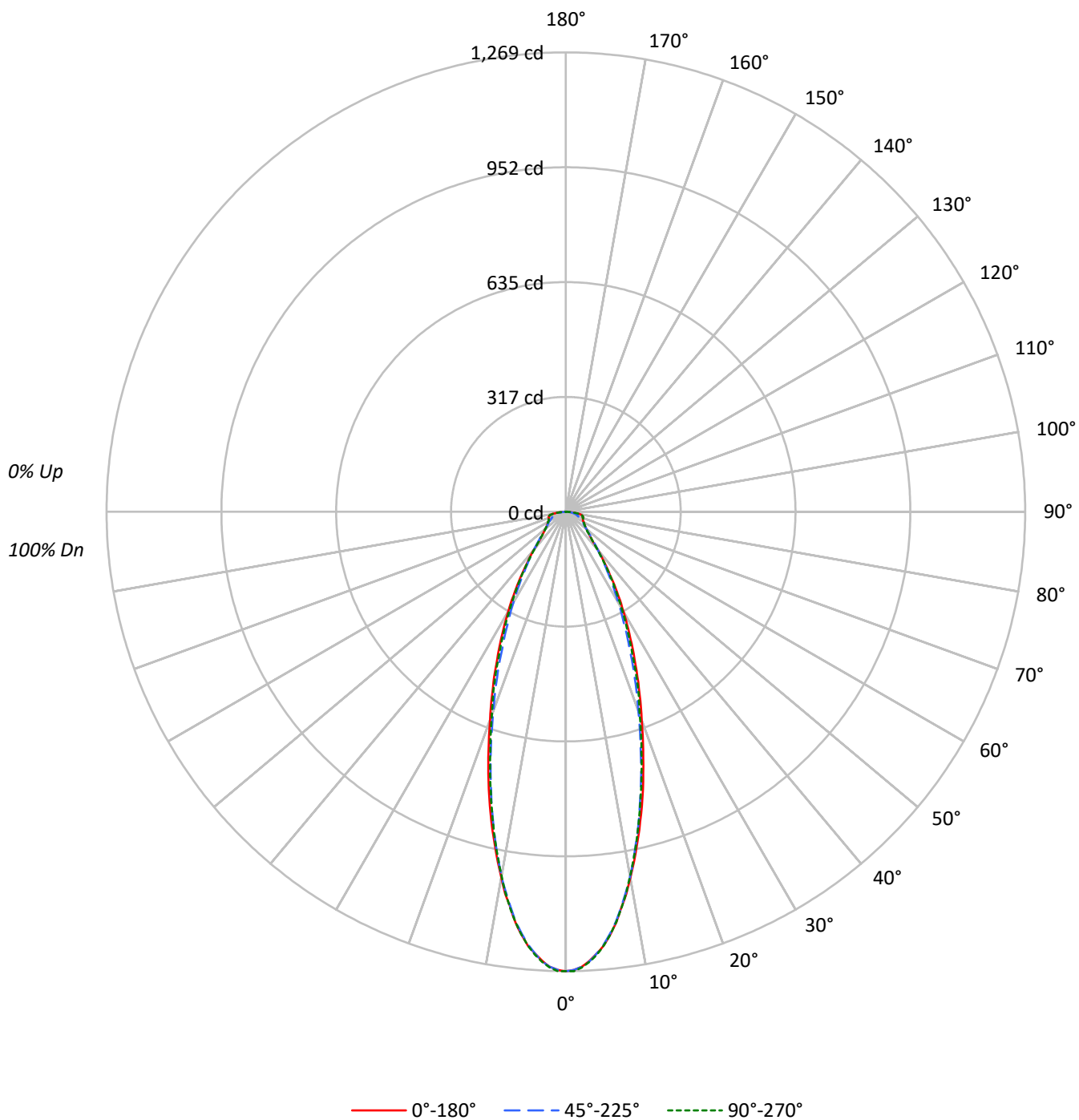
Lumens per Lamp: N/A
Luminaire Lumens: 895.0 lumens
Efficiency: N/A
Efficacy: 31.1 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	96		97	95	94		94	92	91	89
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87	84	82	80
3	98	90	84	79	96	88	83	78	85	81	77		83	79	75		81	77	74	72
4	92	83	76	71	90	82	75	71	79	74	70		77	73	69		75	71	68	66
5	87	77	70	65	85	76	70	65	74	68	64		72	67	63		71	66	63	61
6	82	72	65	60	81	71	65	60	69	64	59		68	63	59		67	62	59	57
7	78	67	61	56	77	67	60	56	65	60	55		64	59	55		63	58	55	53
8	74	63	57	52	73	63	57	52	62	56	52		61	55	52		60	55	51	50
9	71	60	53	49	69	59	53	49	58	53	49		58	52	49		57	52	48	47
10	67	57	50	46	66	56	50	46	55	50	46		55	50	46		54	49	46	44

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	218568	218568	218568
5°	207975	207422	207975
10°	179531	178989	178709
15°	145705	142335	142906
20°	112256	107344	109379
25°	85284	78994	82890
30°	63259	57611	61370
35°	44698	41713	44025
40°	30800	30800	30081
45°	22627	23771	22627
50°	19827	19827	19827
55°	18916	18436	18916
60°	19530	17911	19530
65°	21191	17971	21191
70°	25379	18228	25379
75°	32472	19896	32472
80°	40564	20332	39077
85°	31024	18575	34185

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 40564 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.9	12.2
10°-20°	222.3	24.8
20°-30°	198.5	22.2
30°-40°	130.3	14.6
40°-50°	75.8	8.5
50°-60°	56.2	6.3
60°-70°	47.5	5.3
70°-80°	39.2	4.4
80°-90°	16.3	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°	529.7	59.2
0°-40°	660.0	73.7
0°-60°	791.9	88.5
0°-90°	895.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	895.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1269	1269	1269	1269	1269	
5°	1203	1201	1200	1201	1203	109
15°	817	809	798	800	802	226
25°	449	436	416	427	436	207
35°	213	206	198	205	209	135
45°	93	94	98	94	93	75
55°	63	61	61	61	63	57
65°	52	47	44	47	52	52
75°	49	36	30	36	49	50
85°	16	17	9	17	17	18
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1269.1	1269.1	1269.1	1269.1	1269.1
1°	1266.0	1267.5	1266.0	1267.5	1269.1
2°	1258.1	1259.7	1258.1	1258.1	1259.7
3°	1242.3	1243.9	1243.9	1243.9	1245.5
4°	1223.4	1225.0	1223.4	1225.0	1226.6
5°	1203.0	1201.4	1199.8	1201.4	1203.0
6°	1174.6	1173.1	1171.5	1173.1	1174.6
7°	1143.1	1141.6	1140.0	1140.0	1141.6
8°	1103.8	1105.3	1100.6	1103.8	1105.3
9°	1069.1	1066.0	1062.8	1062.8	1066.0
10°	1026.6	1023.5	1023.5	1021.9	1021.9
12.5°	922.7	916.4	911.7	911.7	913.3
15°	817.2	809.3	798.3	799.9	801.5
17.5°	711.7	702.3	688.1	691.2	694.4
20°	612.5	603.1	585.7	592.0	596.8
22.5°	527.5	513.3	497.6	502.3	518.0
25°	448.8	436.2	415.7	426.7	436.2
27.5°	379.5	365.3	348.0	359.0	368.4
30°	318.1	305.5	289.7	299.2	308.6
32.5°	263.0	251.9	240.9	247.2	255.1
35°	212.6	206.3	198.4	204.7	209.4
37.5°	171.6	168.5	165.3	168.5	166.9
40°	137.0	138.6	137.0	137.0	133.8
42.5°	108.6	113.4	114.9	111.8	108.6
45°	92.9	94.5	97.6	94.5	92.9
47.5°	81.9	81.9	83.5	81.9	80.3
50°	74.0	74.0	74.0	74.0	74.0
52.5°	67.7	67.7	66.1	67.7	67.7
55°	63.0	61.4	61.4	61.4	63.0
57.5°	59.8	58.3	56.7	58.3	59.8
60°	56.7	53.5	52.0	53.5	56.7
62.5°	53.5	50.4	48.8	50.4	53.5
65°	52.0	47.2	44.1	47.2	52.0
67.5°	50.4	44.1	40.9	44.1	52.0
70°	50.4	40.9	36.2	42.5	50.4
72.5°	48.8	39.4	33.1	39.4	48.8
75°	48.8	36.2	29.9	36.2	48.8
77.5°	45.7	33.1	25.2	33.1	45.7
80°	40.9	29.9	20.5	29.9	39.4
82.5°	29.9	25.2	15.7	25.2	29.9
85°	15.7	17.3	9.4	17.3	17.3
87.5°	1.6	6.3	3.1	9.4	7.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)