

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: P1306197

Luminaire Tested: P3SQAS20R209024D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306197
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: P3SQAS20R209024D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2400K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

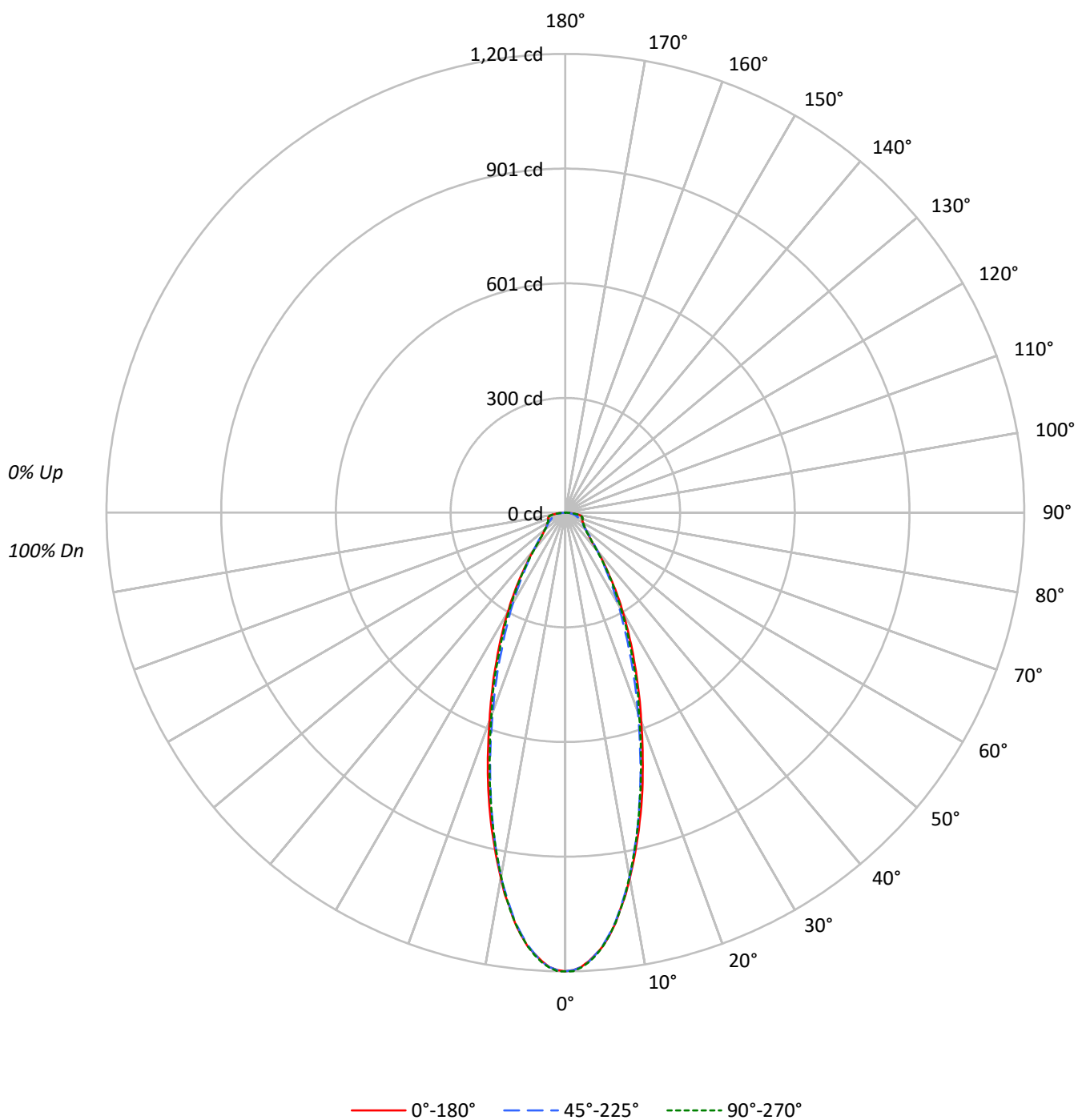
Lumens per Lamp: N/A
Luminaire Lumens: 847.0 lumens
Efficiency: N/A
Efficacy: 29.4 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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	85	81	77		83	79	75		81
4	92	83	76	71	90	82	75	71	79	74	70		77	73	69		75
5	87	77	70	65	85	76	70	65	74	68	64		72	67	63		71
6	82	72	65	60	81	71	65	60	69	64	59		68	63	59		67
7	78	67	61	56	77	67	60	56	65	60	55		64	59	55		63
8	74	63	57	52	73	63	57	52	62	56	52		61	55	52		60
9	71	60	53	49	69	59	53	49	58	53	49		58	52	49		57
10	67	57	50	46	66	56	50	46	55	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	206839	206839	206839
5°	196824	196306	196824
10°	169913	169388	169126
15°	137896	134704	135239
20°	106245	101590	103514
25°	80704	74756	78443
30°	59859	54529	58089
35°	42301	39484	41671
40°	29137	29137	28485
45°	21409	22505	21409
50°	18755	18755	18755
55°	17896	17445	17896
60°	18462	16947	18462
65°	20050	16993	20050
70°	24019	17272	24019
75°	30742	18831	30742
80°	38382	19241	36994
85°	29443	17587	32407

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 38382 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.1	12.2
10°-20°	210.4	24.8
20°-30°	187.9	22.2
30°-40°	123.3	14.6
40°-50°	71.7	8.5
50°-60°	53.2	6.3
60°-70°	45.0	5.3
70°-80°	37.1	4.4
80°-90°	15.5	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°	501.3	59.2
0°-40°	624.6	73.7
0°-60°	749.4	88.5
0°-90°	847.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	847.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1201	1201	1201	1201	1201	
5°	1138	1137	1136	1137	1138	103
15°	773	766	756	757	758	214
25°	425	413	393	404	413	196
35°	201	195	188	194	198	128
45°	88	89	92	89	88	71
55°	60	58	58	58	60	54
65°	49	45	42	45	49	49
75°	46	34	28	34	46	47
85°	15	16	9	16	16	17
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1201.0	1201.0	1201.0	1201.0	1201.0
1°	1198.1	1199.6	1198.1	1199.6	1201.0
2°	1190.6	1192.1	1190.6	1190.6	1192.1
3°	1175.7	1177.2	1177.2	1177.2	1178.7
4°	1157.8	1159.3	1157.8	1159.3	1160.8
5°	1138.5	1137.0	1135.5	1137.0	1138.5
6°	1111.6	1110.1	1108.7	1110.1	1111.6
7°	1081.8	1080.3	1078.9	1078.9	1080.3
8°	1044.6	1046.1	1041.6	1044.6	1046.1
9°	1011.8	1008.8	1005.8	1005.8	1008.8
10°	971.6	968.6	968.6	967.1	967.1
12.5°	873.2	867.3	862.8	862.8	864.3
15°	773.4	765.9	755.5	757.0	758.5
17.5°	673.5	664.6	651.2	654.2	657.1
20°	579.7	570.7	554.3	560.3	564.8
22.5°	499.2	485.8	470.9	475.3	490.3
25°	424.7	412.8	393.4	403.8	412.8
27.5°	359.1	345.7	329.3	339.7	348.7
30°	301.0	289.1	274.2	283.1	292.1
32.5°	248.9	238.4	228.0	233.9	241.4
35°	201.2	195.2	187.8	193.7	198.2
37.5°	162.4	159.4	156.5	159.4	158.0
40°	129.6	131.1	129.6	129.6	126.7
42.5°	102.8	107.3	108.8	105.8	102.8
45°	87.9	89.4	92.4	89.4	87.9
47.5°	77.5	77.5	79.0	77.5	76.0
50°	70.0	70.0	70.0	70.0	70.0
52.5°	64.1	64.1	62.6	64.1	64.1
55°	59.6	58.1	58.1	58.1	59.6
57.5°	56.6	55.1	53.6	55.1	56.6
60°	53.6	50.7	49.2	50.7	53.6
62.5°	50.7	47.7	46.2	47.7	50.7
65°	49.2	44.7	41.7	44.7	49.2
67.5°	47.7	41.7	38.7	41.7	49.2
70°	47.7	38.7	34.3	40.2	47.7
72.5°	46.2	37.3	31.3	37.3	46.2
75°	46.2	34.3	28.3	34.3	46.2
77.5°	43.2	31.3	23.8	31.3	43.2
80°	38.7	28.3	19.4	28.3	37.3
82.5°	28.3	23.8	14.9	23.8	28.3
85°	14.9	16.4	8.9	16.4	16.4
87.5°	1.5	6.0	3.0	8.9	7.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)