

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: P1307315

Luminaire Tested: P3SQAS24R209027D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307315
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: P3SQAS24R209027D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

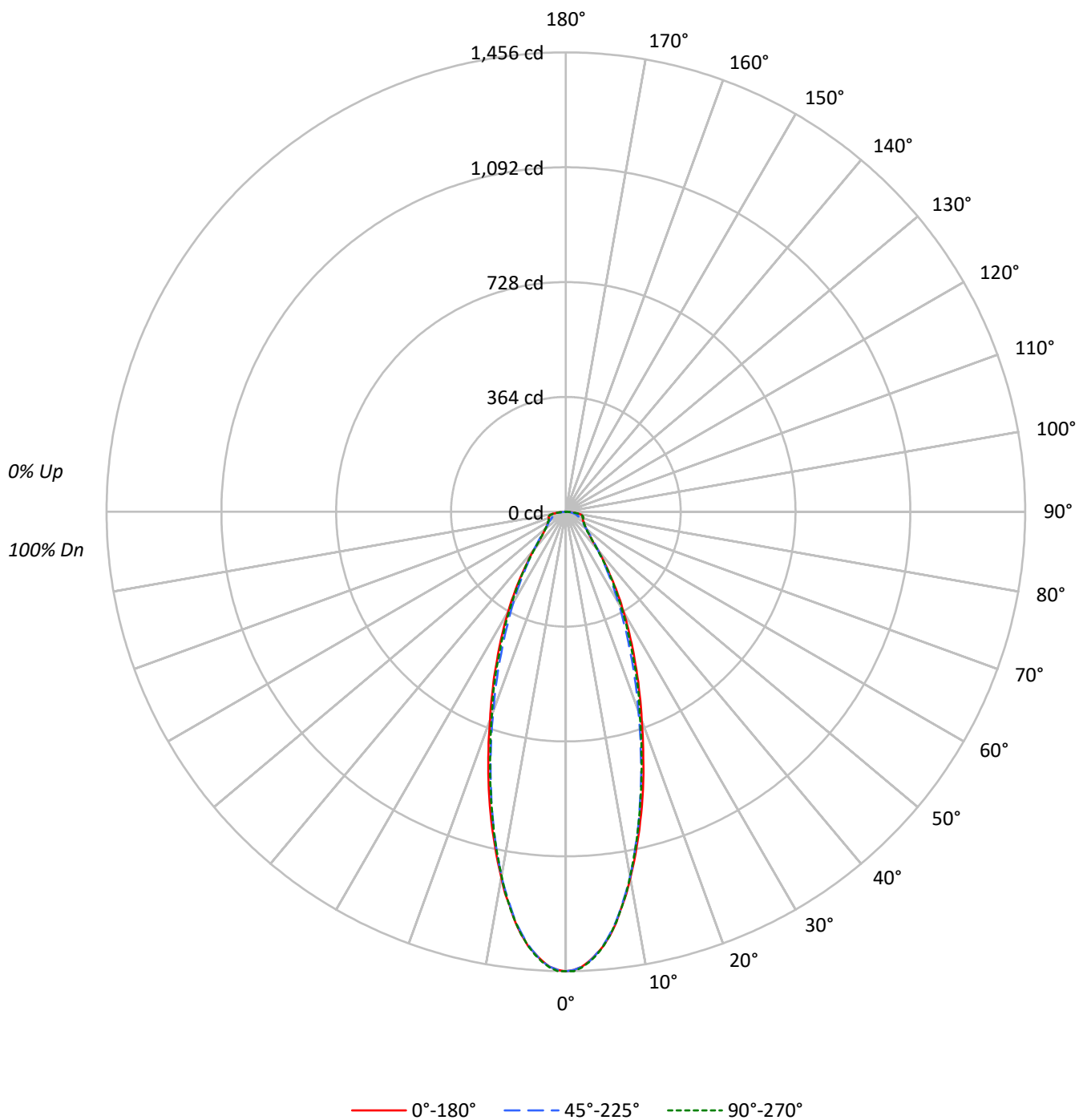
Lumens per Lamp: N/A
Luminaire Lumens: 1027.0 lumens
Efficiency: N/A
Efficacy: 35.7 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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		57	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°	250808	250808	250808
5°	238644	238022	238644
10°	206008	205378	205064
15°	167190	163321	163981
20°	128806	123179	125507
25°	97845	90643	95108
30°	72586	66123	70418
35°	51279	47873	50522
40°	35342	35342	34532
45°	25963	27279	25963
50°	22747	22747	22747
55°	21709	21168	21709
60°	22389	20529	22389
65°	24288	20620	24288
70°	29105	20947	29105
75°	37263	22824	37263
80°	46614	23307	44829
85°	35766	21341	39323

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 46614 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.0	12.2
10°-20°	255.1	24.8
20°-30°	227.8	22.2
30°-40°	149.5	14.6
40°-50°	86.9	8.5
50°-60°	64.5	6.3
60°-70°	54.5	5.3
70°-80°	45.0	4.4
80°-90°	18.8	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°	607.8	59.2
0°-40°	757.3	73.7
0°-60°	908.7	88.5
0°-90°	1027.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1027.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1456	1456	1456	1456	1456	
5°	1380	1379	1377	1379	1380	125
15°	938	929	916	918	920	259
25°	515	500	477	490	500	237
35°	244	237	228	235	240	155
45°	107	108	112	108	107	86
55°	72	70	70	70	72	66
65°	60	54	51	54	60	60
75°	56	42	34	42	56	57
85°	18	20	11	20	20	21
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1456.3	1456.3	1456.3	1456.3	1456.3
1°	1452.7	1454.5	1452.7	1454.5	1456.3
2°	1443.6	1445.4	1443.6	1443.6	1445.4
3°	1425.6	1427.4	1427.4	1427.4	1429.2
4°	1403.9	1405.7	1403.9	1405.7	1407.5
5°	1380.4	1378.6	1376.8	1378.6	1380.4
6°	1347.9	1346.1	1344.3	1346.1	1347.9
7°	1311.7	1309.9	1308.1	1308.1	1309.9
8°	1266.6	1268.4	1263.0	1266.6	1268.4
9°	1226.8	1223.2	1219.6	1219.6	1223.2
10°	1178.0	1174.4	1174.4	1172.6	1172.6
12.5°	1058.8	1051.6	1046.1	1046.1	1047.9
15°	937.7	928.7	916.0	917.9	919.7
17.5°	816.7	805.8	789.6	793.2	796.8
20°	702.8	692.0	672.1	679.4	684.8
22.5°	605.3	589.0	570.9	576.4	594.4
25°	514.9	500.5	477.0	489.6	500.5
27.5°	435.4	419.2	399.3	412.0	422.8
30°	365.0	350.5	332.5	343.3	354.1
32.5°	301.7	289.1	276.4	283.7	292.7
35°	243.9	236.7	227.7	234.9	240.3
37.5°	196.9	193.3	189.7	193.3	191.5
40°	157.2	159.0	157.2	157.2	153.6
42.5°	124.7	130.1	131.9	128.3	124.7
45°	106.6	108.4	112.0	108.4	106.6
47.5°	94.0	94.0	95.8	94.0	92.1
50°	84.9	84.9	84.9	84.9	84.9
52.5°	77.7	77.7	75.9	77.7	77.7
55°	72.3	70.5	70.5	70.5	72.3
57.5°	68.7	66.9	65.0	66.9	68.7
60°	65.0	61.4	59.6	61.4	65.0
62.5°	61.4	57.8	56.0	57.8	61.4
65°	59.6	54.2	50.6	54.2	59.6
67.5°	57.8	50.6	47.0	50.6	59.6
70°	57.8	47.0	41.6	48.8	57.8
72.5°	56.0	45.2	37.9	45.2	56.0
75°	56.0	41.6	34.3	41.6	56.0
77.5°	52.4	37.9	28.9	37.9	52.4
80°	47.0	34.3	23.5	34.3	45.2
82.5°	34.3	28.9	18.1	28.9	34.3
85°	18.1	19.9	10.8	19.9	19.9
87.5°	1.8	7.2	3.6	10.8	9.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)