

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: P1308304

Luminaire Tested: P3SQAS20R259030D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308304
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R259030D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

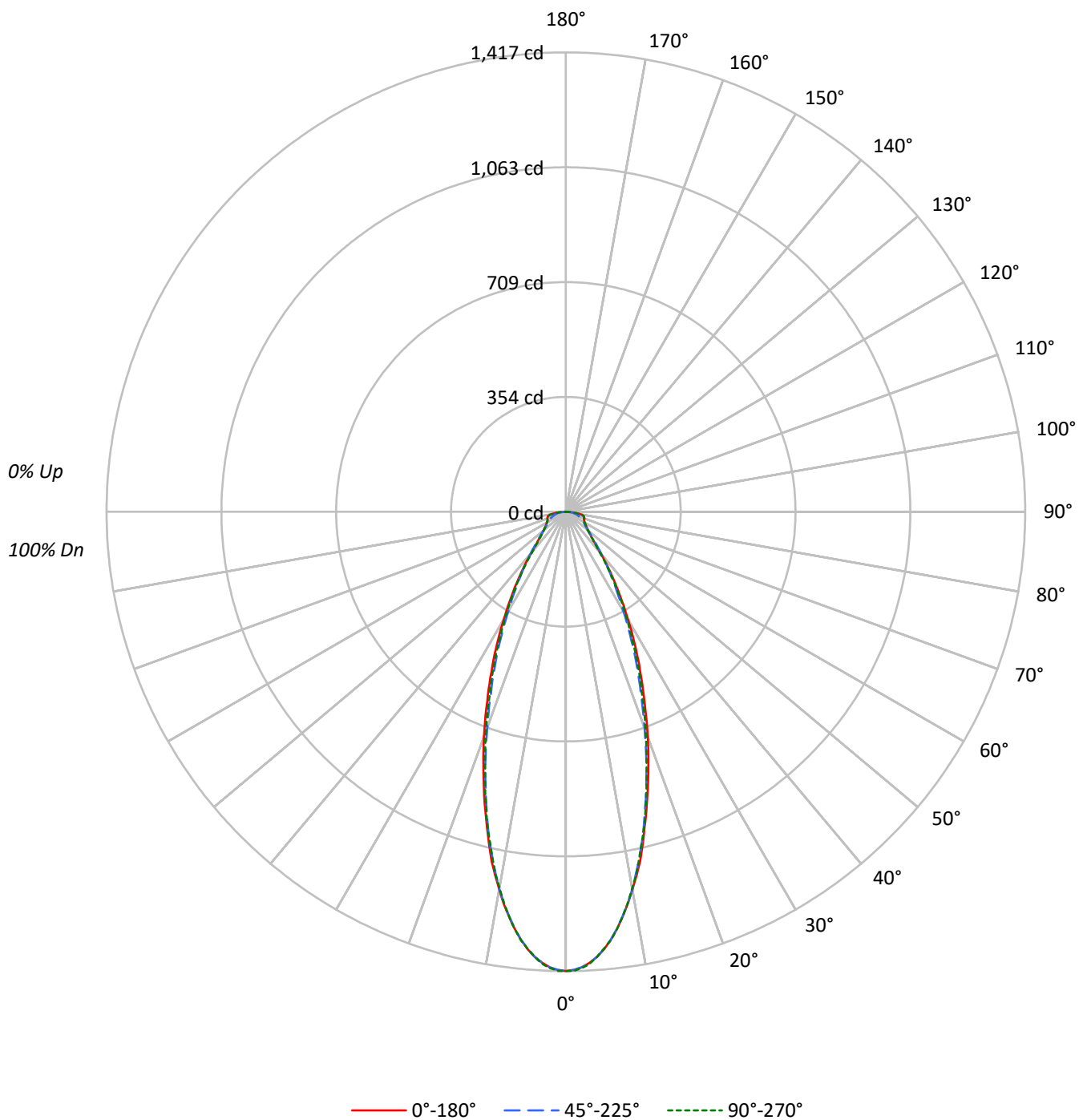
Lumens per Lamp: N/A
Luminaire Lumens: 1070.0 lumens
Efficiency: N/A
Efficacy: 37.2 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	107	104	101	109	105	102	99	101	99	96		97	95	93		94
2	104	98	92	88	102	96	91	87	93	89	85		89	86	83		87
3	98	90	83	78	95	88	82	78	85	80	76		83	79	75		80
4	92	83	76	71	90	81	75	70	79	74	69		77	72	69		75
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70
6	82	72	65	60	80	71	64	59	69	63	59		68	62	59		66
7	78	67	60	55	76	66	60	55	65	59	55		64	58	55		62
8	74	63	56	52	72	62	56	52	61	55	51		60	55	51		59
9	70	60	53	49	69	59	53	48	58	52	48		57	52	48		56
10	67	56	50	46	66	56	50	46	55	49	46		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	244005	244005	244005
5°	234115	233821	233821
10°	206970	206673	206078
15°	170916	168509	169401
20°	135404	129832	131995
25°	103127	97674	100239
30°	75987	70597	73640
35°	54390	51888	52603
40°	37253	38017	36106
45°	27595	29227	27181
50°	24007	24007	23551
55°	22850	21829	22850
60°	23285	21562	23285
65°	25510	22046	25510
70°	30666	22156	29810
75°	38261	23622	38261
80°	48598	25191	45226
85°	40113	23317	40113

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 48598 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.6	11.6
10°-20°	262.7	24.5
20°-30°	240.7	22.5
30°-40°	158.8	14.8
40°-50°	92.4	8.6
50°-60°	67.5	6.3
60°-70°	57.3	5.4
70°-80°	47.4	4.4
80°-90°	19.6	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°	627.0	58.6
0°-40°	785.8	73.4
0°-60°	945.7	88.4
0°-90°	1070.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1070.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1417	1417	1417	1417	1417	
5°	1354	1352	1352	1354	1352	124
15°	959	955	945	948	950	266
25°	543	528	514	516	528	249
35°	259	254	247	247	250	164
45°	113	117	120	113	112	91
55°	76	76	73	74	76	69
65°	63	58	54	58	63	62
75°	58	44	36	44	58	60
85°	20	22	12	22	20	23
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1416.8	1416.8	1416.8	1416.8	1416.8
1°	1413.4	1413.4	1413.4	1413.4	1416.8
2°	1406.6	1404.9	1406.6	1406.6	1408.3
3°	1393.1	1393.1	1393.1	1393.1	1396.5
4°	1376.2	1376.2	1376.2	1376.2	1376.2
5°	1354.2	1352.5	1352.5	1354.2	1352.5
6°	1327.2	1327.2	1327.2	1327.2	1328.8
7°	1296.7	1295.0	1295.0	1293.3	1296.7
8°	1261.2	1261.2	1259.5	1257.8	1261.2
9°	1224.0	1225.7	1222.3	1220.6	1220.6
10°	1183.5	1181.8	1181.8	1181.8	1178.4
11°	1142.9	1137.8	1136.1	1136.1	1139.5
12°	1102.3	1093.8	1090.5	1090.5	1090.5
13°	1053.3	1049.9	1044.8	1041.4	1043.1
14°	1004.2	1004.2	995.8	995.8	999.2
15°	958.6	955.2	945.1	948.5	950.1
17.5°	845.3	838.6	826.7	826.7	828.4
20°	738.8	727.0	708.4	716.8	720.2
22.5°	634.0	622.2	603.6	612.0	615.4
25°	542.7	527.5	514.0	515.6	527.5
27.5°	459.9	442.9	429.4	434.5	441.3
30°	382.1	371.9	355.0	363.5	370.3
32.5°	316.2	307.7	295.9	300.9	307.7
35°	258.7	253.6	246.8	246.8	250.2
37.5°	209.6	207.9	204.6	202.9	201.2
40°	165.7	169.1	169.1	165.7	160.6
42.5°	135.3	138.6	142.0	135.3	130.2
45°	113.3	116.7	120.0	113.3	111.6
47.5°	99.7	101.4	103.1	99.7	98.1
50°	89.6	89.6	89.6	87.9	87.9
52.5°	82.8	81.2	79.5	81.2	81.2
55°	76.1	76.1	72.7	74.4	76.1
57.5°	71.0	69.3	67.6	69.3	71.0
60°	67.6	64.2	62.6	64.2	67.6
62.5°	64.2	60.9	57.5	60.9	64.2
65°	62.6	57.5	54.1	57.5	62.6
67.5°	60.9	54.1	49.0	54.1	60.9
70°	60.9	50.7	44.0	50.7	59.2
72.5°	59.2	47.3	40.6	47.3	59.2
75°	57.5	44.0	35.5	44.0	57.5
77.5°	55.8	40.6	30.4	40.6	54.1
80°	49.0	37.2	25.4	37.2	45.6
82.5°	35.5	30.4	20.3	30.4	33.8
85°	20.3	22.0	11.8	22.0	20.3
87.5°	3.4	5.1	3.4	8.5	6.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)