

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: P1306182

Luminaire Tested: P3SQAS20R159024D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306182
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: P3SQAS20R159024D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

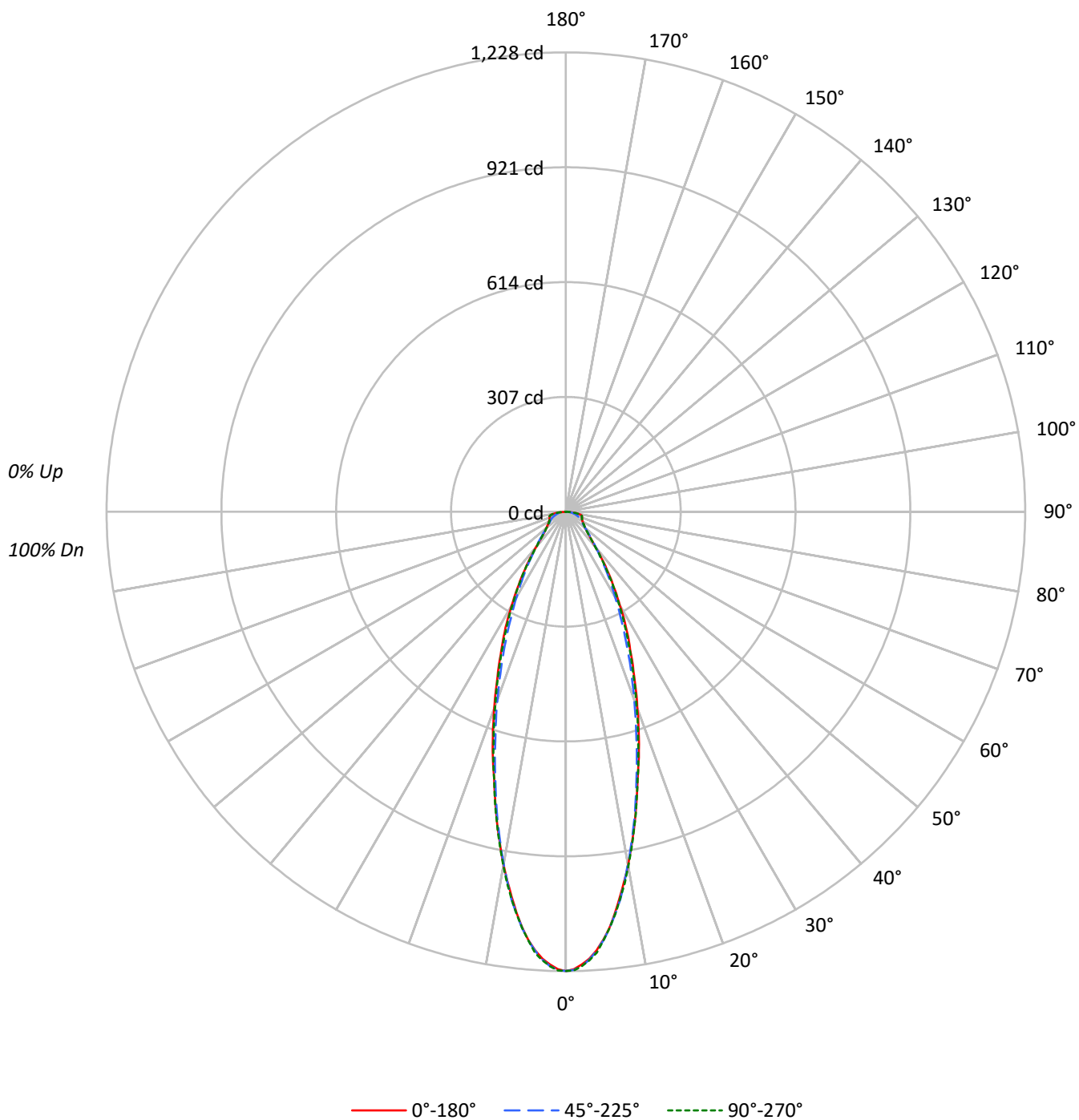
Lumens per Lamp: N/A
Luminaire Lumens: 823.0 lumens
Efficiency: N/A
Efficacy: 28.6 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	211438	211438	211438
5°	198571	198830	198830
10°	167744	167220	168252
15°	131923	130051	132190
20°	102524	97869	101150
25°	77379	72001	76258
30°	57552	52501	56359
35°	41082	38265	40451
40°	27833	28170	27496
45°	20703	21799	20703
50°	17978	17978	17978
55°	17475	16574	17475
60°	17980	16430	17463
65°	19438	17034	19438
70°	23264	17272	23264
75°	29811	17900	29811
80°	36994	19241	35506
85°	29443	17784	32407

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 36994 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.5	12.6
10°-20°	204.7	24.9
20°-30°	180.9	22.0
30°-40°	118.9	14.4
40°-50°	69.4	8.4
50°-60°	51.1	6.2
60°-70°	43.6	5.3
70°-80°	35.9	4.4
80°-90°	14.9	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°	489.2	59.4
0°-40°	608.0	73.9
0°-60°	728.6	88.5
0°-90°	823.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	823.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1228	1228	1228	1228	1228	
5°	1149	1149	1150	1152	1150	103
15°	740	740	729	738	741	207
25°	407	394	379	389	401	188
35°	195	188	182	186	192	123
45°	85	86	90	86	85	68
55°	58	57	55	57	58	52
65°	48	43	42	43	48	48
75°	45	33	27	34	45	46
85°	15	16	9	15	16	17
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1227.7	1227.7	1227.7	1227.7	1227.7
1°	1223.2	1224.7	1224.7	1226.2	1226.2
2°	1211.3	1214.2	1215.7	1215.7	1215.7
3°	1196.3	1197.8	1199.3	1200.8	1200.8
4°	1175.5	1176.9	1176.9	1179.9	1181.4
5°	1148.6	1148.6	1150.1	1151.6	1150.1
6°	1117.3	1117.3	1118.8	1118.8	1118.8
7°	1080.0	1081.5	1083.0	1084.5	1083.0
8°	1039.7	1041.2	1045.7	1045.7	1044.2
9°	999.4	1000.9	1000.9	1005.4	1005.4
10°	959.2	959.2	956.2	959.2	962.1
12.5°	850.3	848.8	844.3	848.8	851.8
15°	739.9	739.9	729.4	738.4	741.4
17.5°	650.4	637.0	626.5	635.5	642.9
20°	559.4	546.0	534.0	543.0	551.9
22.5°	477.3	466.9	452.0	460.9	471.4
25°	407.2	393.8	378.9	389.3	401.3
27.5°	349.1	331.2	316.2	328.2	338.6
30°	289.4	277.5	264.0	273.0	283.4
32.5°	238.7	229.7	219.3	226.7	235.7
35°	195.4	188.0	182.0	186.5	192.4
37.5°	156.6	153.6	150.7	152.2	152.2
40°	123.8	125.3	125.3	125.3	122.3
42.5°	101.4	102.9	105.9	102.9	101.4
45°	85.0	86.5	89.5	86.5	85.0
47.5°	74.6	76.1	77.6	74.6	74.6
50°	67.1	67.1	67.1	67.1	67.1
52.5°	62.7	61.2	61.2	61.2	62.7
55°	58.2	56.7	55.2	56.7	58.2
57.5°	53.7	52.2	50.7	52.2	53.7
60°	52.2	49.2	47.7	49.2	50.7
62.5°	49.2	46.2	44.8	46.2	49.2
65°	47.7	43.3	41.8	43.3	47.7
67.5°	46.2	40.3	37.3	40.3	46.2
70°	46.2	37.3	34.3	38.8	46.2
72.5°	44.8	35.8	29.8	35.8	44.8
75°	44.8	32.8	26.9	34.3	44.8
77.5°	41.8	29.8	22.4	31.3	41.8
80°	37.3	26.9	19.4	28.3	35.8
82.5°	26.9	22.4	14.9	22.4	26.9
85°	14.9	16.4	9.0	14.9	16.4
87.5°	1.5	4.5	3.0	9.0	7.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)