

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: P1310508

Luminaire Tested: P3SQAS20R159040D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310508
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: P3SQAS20R159040D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

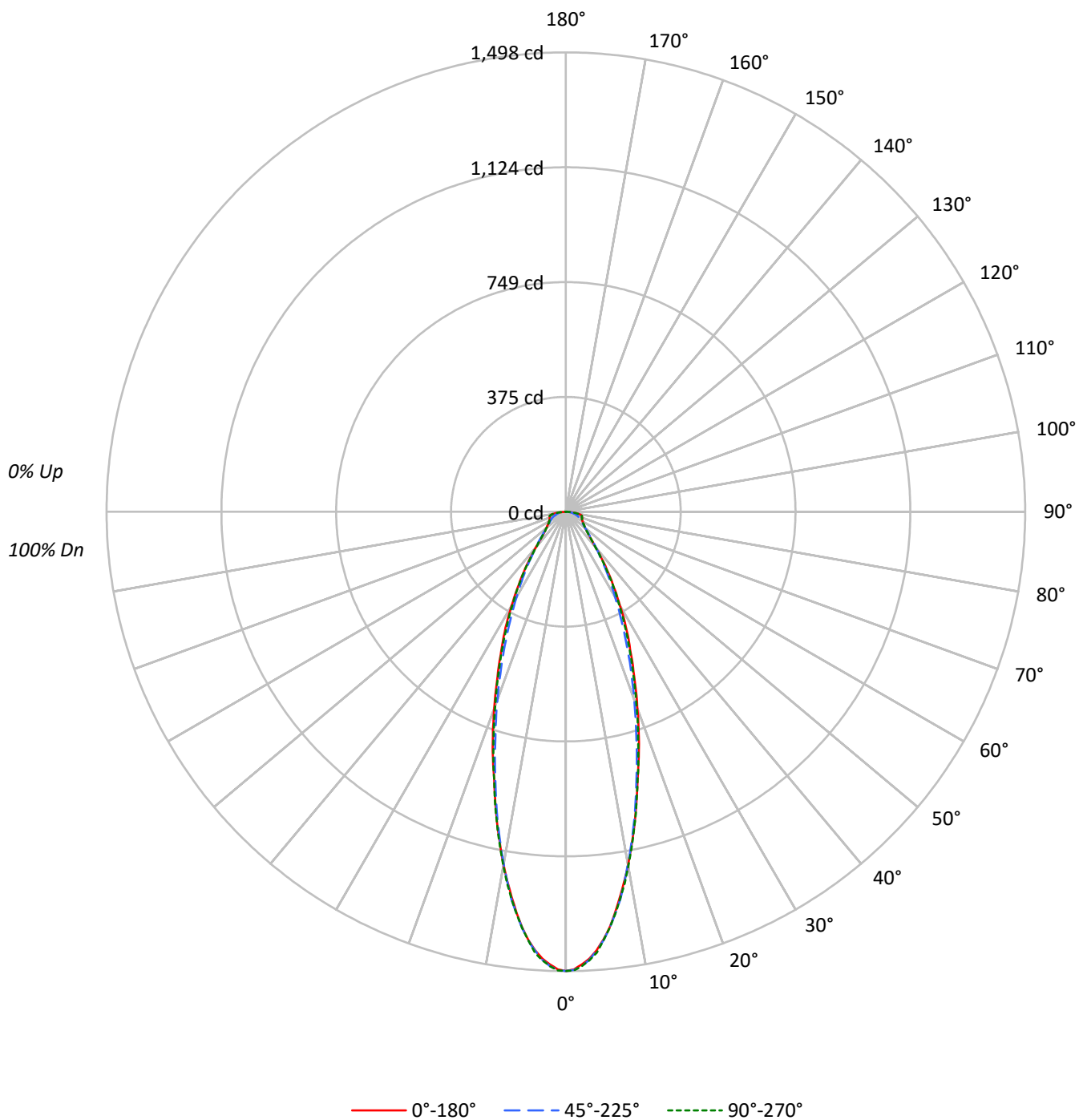
Lumens per Lamp: N/A
Luminaire Lumens: 1004.0 lumens
Efficiency: N/A
Efficacy: 34.9 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	257938	257938	257938
5°	242240	242551	242551
10°	204626	203997	205256
15°	160932	158667	161253
20°	125067	119404	123399
25°	94405	87830	93018
30°	70200	64055	68768
35°	50122	46674	49345
40°	33948	34375	33543
45°	25257	26597	25257
50°	21944	21944	21944
55°	21319	20208	21319
60°	21941	20047	21321
65°	23717	20783	23717
70°	28400	21099	28400
75°	36332	21826	36332
80°	45126	23505	43341
85°	35964	21539	39521

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 45126 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.3	12.6
10°-20°	249.7	24.9
20°-30°	220.7	22.0
30°-40°	145.0	14.4
40°-50°	84.7	8.4
50°-60°	62.4	6.2
60°-70°	53.2	5.3
70°-80°	43.9	4.4
80°-90°	18.2	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°	596.7	59.4
0°-40°	741.7	73.9
0°-60°	888.8	88.5
0°-90°	1004.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1004.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1498	1498	1498	1498	1498	
5°	1401	1401	1403	1405	1403	126
15°	903	903	890	901	904	252
25°	497	480	462	475	490	230
35°	238	229	222	228	235	150
45°	104	106	109	106	104	83
55°	71	69	67	69	71	64
65°	58	53	51	53	58	58
75°	55	40	33	42	55	56
85°	18	20	11	18	20	21
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1497.7	1497.7	1497.7	1497.7	1497.7
1°	1492.2	1494.0	1494.0	1495.8	1495.8
2°	1477.6	1481.3	1483.1	1483.1	1483.1
3°	1459.4	1461.3	1463.1	1464.9	1464.9
4°	1434.0	1435.8	1435.8	1439.4	1441.3
5°	1401.2	1401.2	1403.0	1404.9	1403.0
6°	1363.0	1363.0	1364.8	1364.8	1364.8
7°	1317.5	1319.3	1321.1	1323.0	1321.1
8°	1268.4	1270.2	1275.7	1275.7	1273.8
9°	1219.2	1221.1	1221.1	1226.5	1226.5
10°	1170.1	1170.1	1166.5	1170.1	1173.7
12.5°	1037.3	1035.4	1030.0	1035.4	1039.1
15°	902.6	902.6	889.9	900.8	904.4
17.5°	793.4	777.0	764.3	775.2	784.3
20°	682.4	666.0	651.5	662.4	673.3
22.5°	582.3	569.6	551.4	562.3	575.0
25°	496.8	480.4	462.2	475.0	489.5
27.5°	425.8	404.0	385.8	400.3	413.1
30°	353.0	338.5	322.1	333.0	345.8
32.5°	291.2	280.2	267.5	276.6	287.5
35°	238.4	229.3	222.0	227.5	234.7
37.5°	191.1	187.4	183.8	185.6	185.6
40°	151.0	152.9	152.9	152.9	149.2
42.5°	123.7	125.6	129.2	125.6	123.7
45°	103.7	105.5	109.2	105.5	103.7
47.5°	91.0	92.8	94.6	91.0	91.0
50°	81.9	81.9	81.9	81.9	81.9
52.5°	76.4	74.6	74.6	74.6	76.4
55°	71.0	69.2	67.3	69.2	71.0
57.5°	65.5	63.7	61.9	63.7	65.5
60°	63.7	60.1	58.2	60.1	61.9
62.5°	60.1	56.4	54.6	56.4	60.1
65°	58.2	52.8	51.0	52.8	58.2
67.5°	56.4	49.1	45.5	49.1	56.4
70°	56.4	45.5	41.9	47.3	56.4
72.5°	54.6	43.7	36.4	43.7	54.6
75°	54.6	40.0	32.8	41.9	54.6
77.5°	51.0	36.4	27.3	38.2	51.0
80°	45.5	32.8	23.7	34.6	43.7
82.5°	32.8	27.3	18.2	27.3	32.8
85°	18.2	20.0	10.9	18.2	20.0
87.5°	1.8	5.5	3.6	10.9	9.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)