

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: P1310523

Luminaire Tested: P3SQAS20R209040D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310523
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: P3SQAS20R209040D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

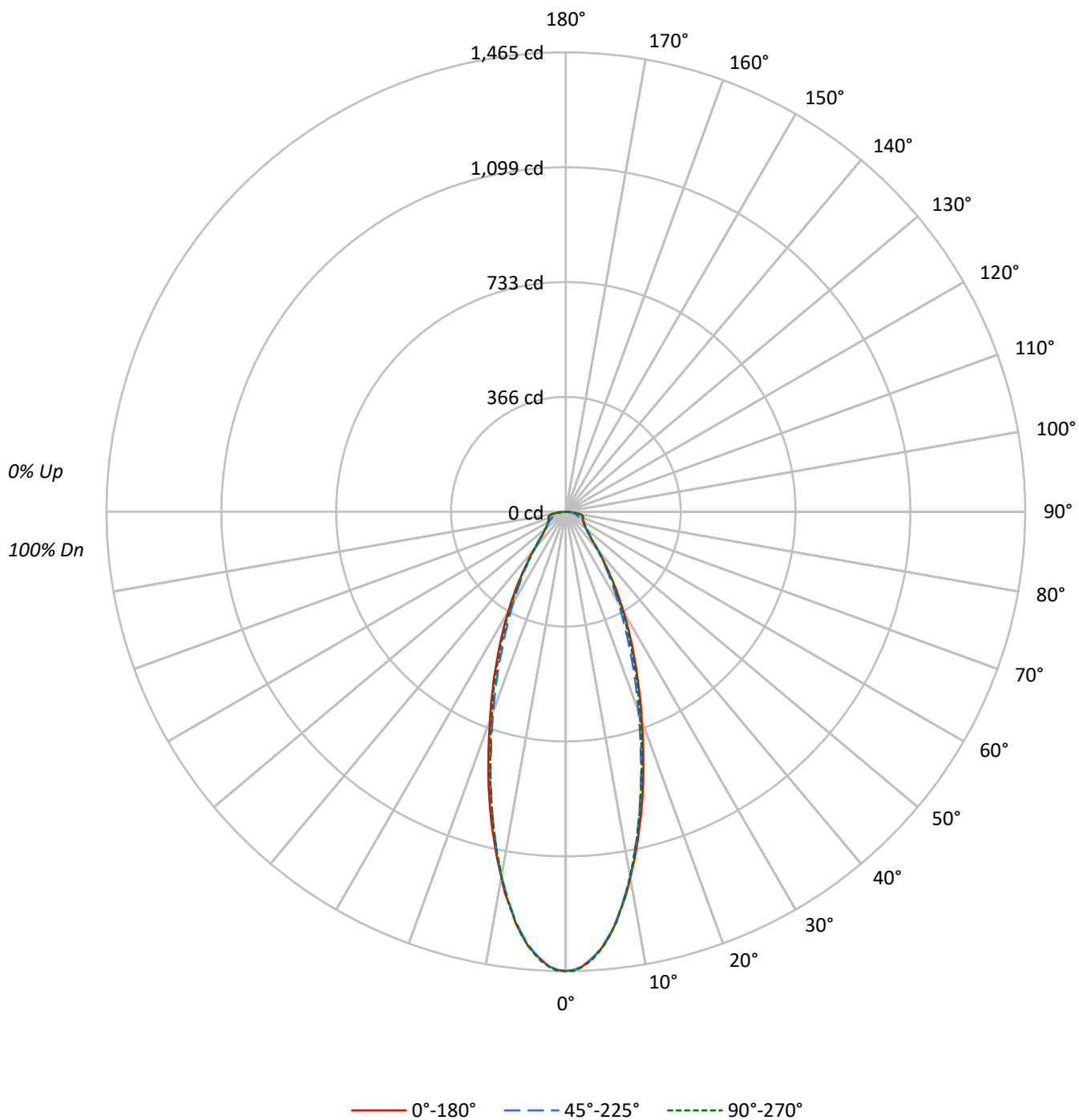
Lumens per Lamp: N/A
Luminaire Lumens: 1033.0 lumens
Efficiency: N/A
Efficacy: 35.9 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	252272	252272	252272
5°	240045	239405	240045
10°	207215	206585	206270
15°	168171	164284	164926
20°	129576	123913	126240
25°	98415	91175	95659
30°	73004	66501	70836
35°	51573	48146	50816
40°	35544	35544	34735
45°	26110	27449	26110
50°	22881	22881	22881
55°	21829	21289	21829
60°	22527	20667	22527
65°	24451	20742	24451
70°	29306	21048	29306
75°	37463	22957	37463
80°	46912	23406	45027
85°	35964	21539	39521

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 46912 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.7	12.2
10°-20°	256.6	24.8
20°-30°	229.1	22.2
30°-40°	150.3	14.6
40°-50°	87.4	8.5
50°-60°	64.9	6.3
60°-70°	54.8	5.3
70°-80°	45.3	4.4
80°-90°	18.9	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°	611.4	59.2
0°-40°	761.7	73.7
0°-60°	914.0	88.5
0°-90°	1033.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1033.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1465	1465	1465	1465	1465	
5°	1388	1387	1385	1387	1388	126
15°	943	934	921	923	925	261
25°	518	503	480	492	503	239
35°	245	238	229	236	242	156
45°	107	109	113	109	107	86
55°	73	71	71	71	73	66
65°	60	54	51	54	60	60
75°	56	42	34	42	56	58
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°	1464.8	1464.8	1464.8	1464.8	1464.8
1°	1461.2	1463.0	1461.2	1463.0	1464.8
2°	1452.1	1453.9	1452.1	1452.1	1453.9
3°	1433.9	1435.7	1435.7	1435.7	1437.5
4°	1412.1	1413.9	1412.1	1413.9	1415.7
5°	1388.5	1386.6	1384.8	1386.6	1388.5
6°	1355.7	1353.9	1352.1	1353.9	1355.7
7°	1319.4	1317.6	1315.8	1315.8	1317.6
8°	1274.0	1275.8	1270.3	1274.0	1275.8
9°	1234.0	1230.3	1226.7	1226.7	1230.3
10°	1184.9	1181.3	1181.3	1179.5	1179.5
12.5°	1065.0	1057.7	1052.2	1052.2	1054.1
15°	943.2	934.1	921.4	923.2	925.0
17.5°	821.4	810.5	794.2	797.8	801.5
20°	707.0	696.0	676.1	683.3	688.8
22.5°	608.8	592.5	574.3	579.7	597.9
25°	517.9	503.4	479.8	492.5	503.4
27.5°	438.0	421.6	401.6	414.4	425.3
30°	367.1	352.6	334.4	345.3	356.2
32.5°	303.5	290.8	278.1	285.3	294.4
35°	245.3	238.1	229.0	236.3	241.7
37.5°	198.1	194.5	190.8	194.5	192.6
40°	158.1	159.9	158.1	158.1	154.5
42.5°	125.4	130.8	132.7	129.0	125.4
45°	107.2	109.0	112.7	109.0	107.2
47.5°	94.5	94.5	96.3	94.5	92.7
50°	85.4	85.4	85.4	85.4	85.4
52.5°	78.1	78.1	76.3	78.1	78.1
55°	72.7	70.9	70.9	70.9	72.7
57.5°	69.1	67.2	65.4	67.2	69.1
60°	65.4	61.8	60.0	61.8	65.4
62.5°	61.8	58.2	56.3	58.2	61.8
65°	60.0	54.5	50.9	54.5	60.0
67.5°	58.2	50.9	47.3	50.9	60.0
70°	58.2	47.3	41.8	49.1	58.2
72.5°	56.3	45.4	38.2	45.4	56.3
75°	56.3	41.8	34.5	41.8	56.3
77.5°	52.7	38.2	29.1	38.2	52.7
80°	47.3	34.5	23.6	34.5	45.4
82.5°	34.5	29.1	18.2	29.1	34.5
85°	18.2	20.0	10.9	20.0	20.0
87.5°	1.8	7.3	3.6	10.9	9.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)