

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: P1316510

Luminaire Tested: P3SQAS20R209827D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316510
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: P3SQAS20R209827D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 98CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

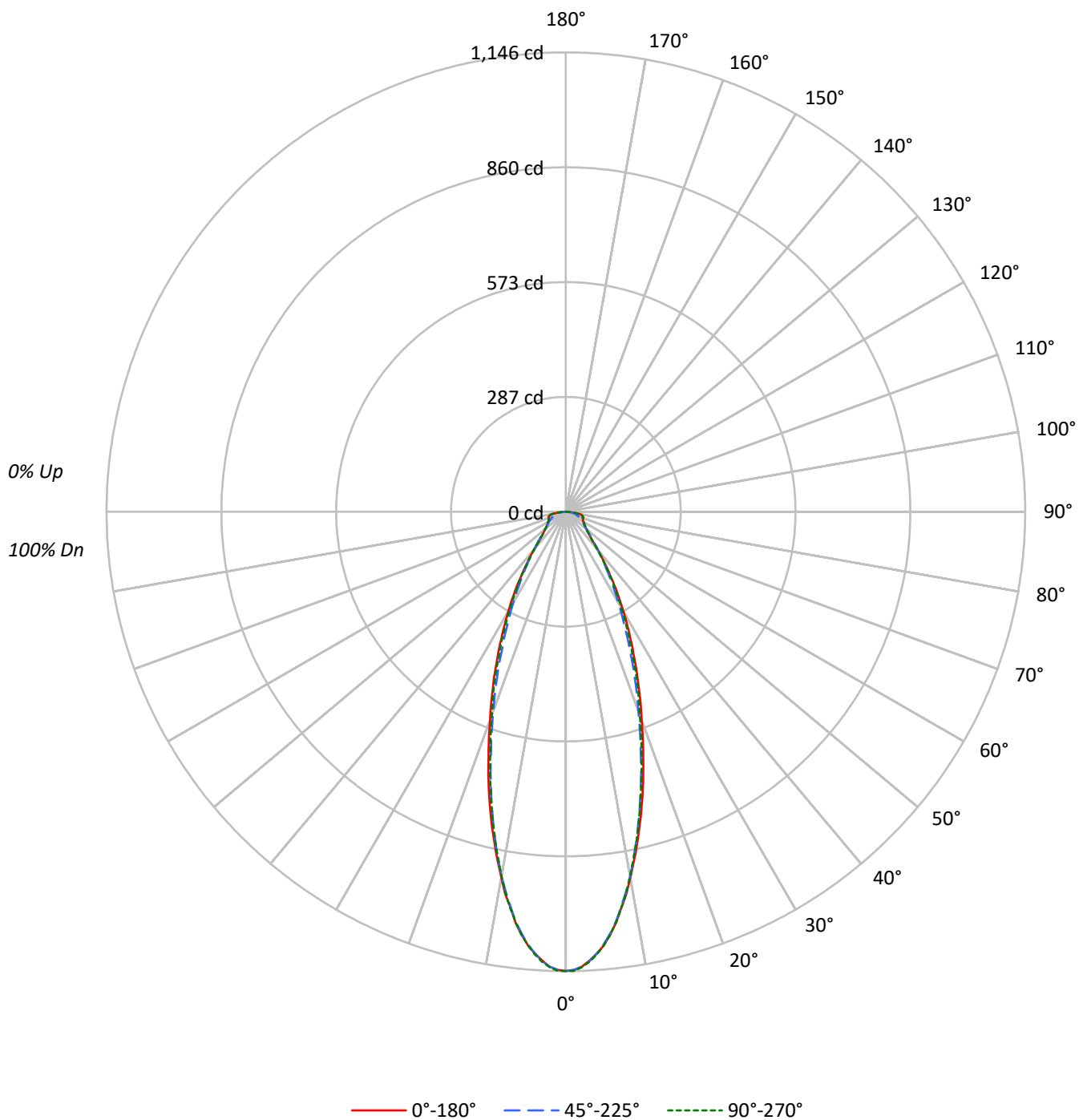
Lumens per Lamp: N/A
Luminaire Lumens: 808.0 lumens
Efficiency: N/A
Efficacy: 29.5 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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	64		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		58	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°	197315	197315	197315
5°	187748	187264	187748
10°	162078	161589	161344
15°	131548	128499	128999
20°	101351	96916	98749
25°	76980	71317	74832
30°	57094	52023	55404
35°	40346	37655	39757
40°	27810	27810	27158
45°	20435	21458	20435
50°	17898	17898	17898
55°	17085	16634	17085
60°	17636	16154	17636
65°	19112	16219	19112
70°	22911	16466	22911
75°	29345	17966	29345
80°	36696	18348	35209
85°	28060	16796	30826

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 36696 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.3	12.2
10°-20°	200.7	24.8
20°-30°	179.2	22.2
30°-40°	117.6	14.6
40°-50°	68.4	8.5
50°-60°	50.7	6.3
60°-70°	42.9	5.3
70°-80°	35.4	4.4
80°-90°	14.7	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°	478.2	59.2
0°-40°	595.8	73.7
0°-60°	714.9	88.5
0°-90°	808.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	808.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1146	1146	1146	1146	1146	
5°	1086	1085	1083	1085	1086	98
15°	738	731	721	722	724	204
25°	405	394	375	385	394	187
35°	192	186	179	185	189	122
45°	84	85	88	85	84	67
55°	57	55	55	55	57	52
65°	47	43	40	43	47	47
75°	44	33	27	33	44	45
85°	14	16	8	16	16	17
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1145.7	1145.7	1145.7	1145.7	1145.7
1°	1142.9	1144.3	1142.9	1144.3	1145.7
2°	1135.8	1137.2	1135.8	1135.8	1137.2
3°	1121.6	1123.0	1123.0	1123.0	1124.4
4°	1104.5	1105.9	1104.5	1105.9	1107.4
5°	1086.0	1084.6	1083.2	1084.6	1086.0
6°	1060.4	1059.0	1057.6	1059.0	1060.4
7°	1032.0	1030.6	1029.2	1029.2	1030.6
8°	996.5	997.9	993.6	996.5	997.9
9°	965.2	962.4	959.5	959.5	962.4
10°	926.8	924.0	924.0	922.6	922.6
12.5°	833.0	827.3	823.1	823.1	824.5
15°	737.8	730.7	720.7	722.1	723.5
17.5°	642.5	634.0	621.2	624.0	626.9
20°	553.0	544.4	528.8	534.5	538.8
22.5°	476.2	463.4	449.2	453.5	467.7
25°	405.1	393.8	375.3	385.2	393.8
27.5°	342.6	329.8	314.2	324.1	332.6
30°	287.1	275.8	261.6	270.1	278.6
32.5°	237.4	227.4	217.5	223.2	230.3
35°	191.9	186.2	179.1	184.8	189.1
37.5°	154.9	152.1	149.3	152.1	150.7
40°	123.7	125.1	123.7	123.7	120.8
42.5°	98.1	102.3	103.8	100.9	98.1
45°	83.9	85.3	88.1	85.3	83.9
47.5°	73.9	73.9	75.3	73.9	72.5
50°	66.8	66.8	66.8	66.8	66.8
52.5°	61.1	61.1	59.7	61.1	61.1
55°	56.9	55.4	55.4	55.4	56.9
57.5°	54.0	52.6	51.2	52.6	54.0
60°	51.2	48.3	46.9	48.3	51.2
62.5°	48.3	45.5	44.1	45.5	48.3
65°	46.9	42.6	39.8	42.6	46.9
67.5°	45.5	39.8	37.0	39.8	46.9
70°	45.5	37.0	32.7	38.4	45.5
72.5°	44.1	35.5	29.9	35.5	44.1
75°	44.1	32.7	27.0	32.7	44.1
77.5°	41.2	29.9	22.7	29.9	41.2
80°	37.0	27.0	18.5	27.0	35.5
82.5°	27.0	22.7	14.2	22.7	27.0
85°	14.2	15.6	8.5	15.6	15.6
87.5°	1.4	5.7	2.8	8.5	7.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)