

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: P1312718

Luminaire Tested: P3SQAS20R209727D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312718
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: P3SQAS20R209727D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

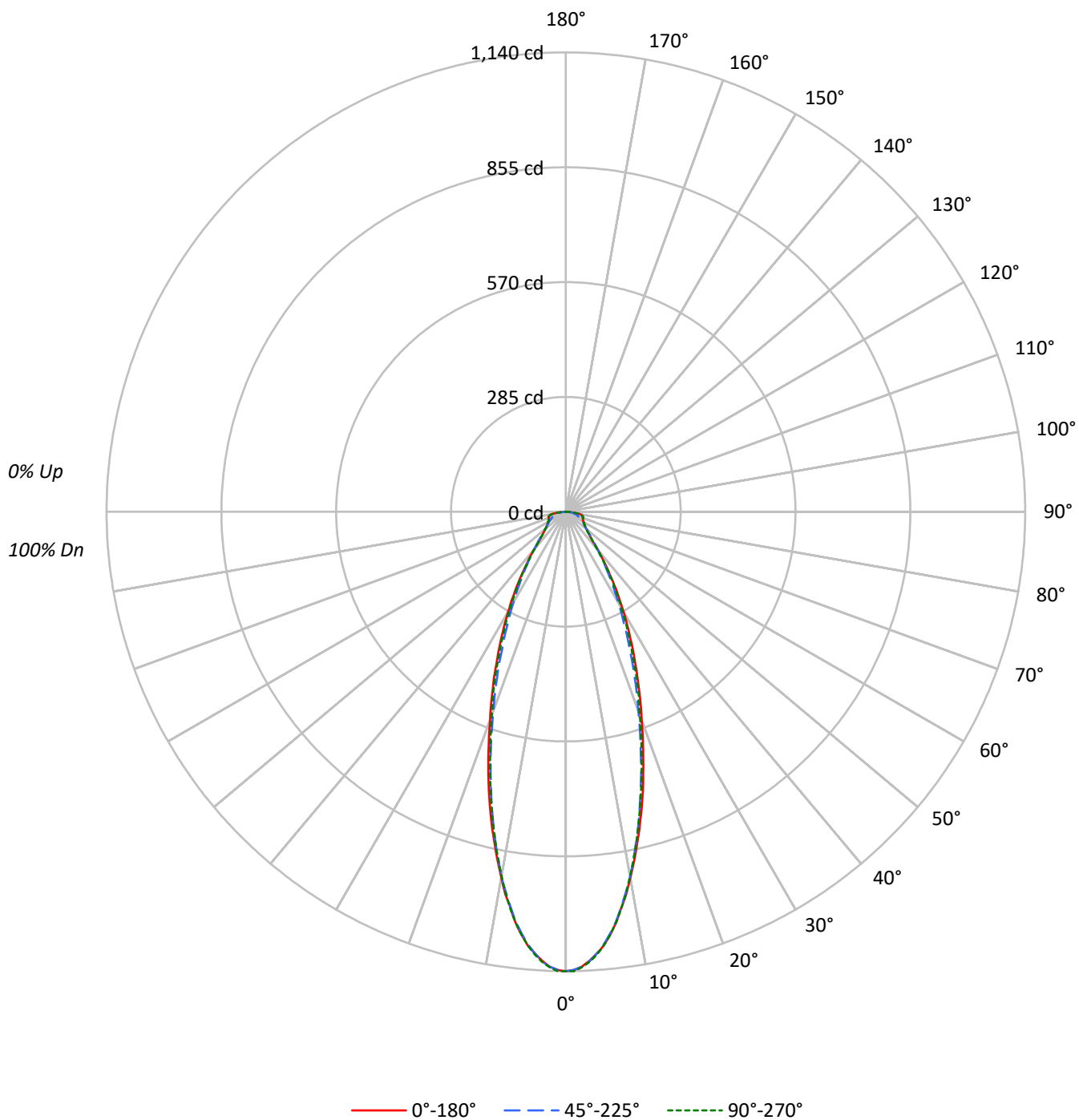
Lumens per Lamp: N/A
Luminaire Lumens: 804.0 lumens
Efficiency: N/A
Efficacy: 27.9 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1312718

CATALOG NUMBER: P3SQAS20R209727D010 E3SQPHLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1312718

CATALOG NUMBER: P3SQAS20R209727D010 E3SQPHLP1MW

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°	196351	196351	196351
5°	186832	186331	186832
10°	161274	160784	160539
15°	130889	127857	128375
20°	100838	96440	98254
25°	76600	70956	74452
30°	56816	51765	55126
35°	40157	37466	39547
40°	27675	27675	27023
45°	20337	21360	20337
50°	17817	17817	17817
55°	16995	16574	16995
60°	17532	16086	17532
65°	19031	16138	19031
70°	22811	16365	22811
75°	29145	17900	29145
80°	36498	18249	35109
85°	27862	16796	30826

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 36498 cd/sqm

TEST NUMBER: P1312718

CATALOG NUMBER: P3SQAS20R209727D010 E3SQPHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.8	12.2
10°-20°	199.7	24.8
20°-30°	178.3	22.2
30°-40°	117.0	14.6
40°-50°	68.1	8.5
50°-60°	50.5	6.3
60°-70°	42.7	5.3
70°-80°	35.2	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°	475.8	59.2
0°-40°	592.9	73.7
0°-60°	711.4	88.5
0°-90°	804.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	804.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1140	1140	1140	1140	1140	
5°	1081	1079	1078	1079	1081	98
15°	734	727	717	719	720	203
25°	403	392	373	383	392	186
35°	191	185	178	184	188	121
45°	84	85	88	85	84	67
55°	57	55	55	55	57	51
65°	47	42	40	42	47	47
75°	44	32	27	32	44	45
85°	14	16	8	16	16	17
90°	0	0	0	0	0	

TEST NUMBER: P1312718

CATALOG NUMBER: P3SQAS20R209727D010 E3SQPHLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1140.1	1140.1	1140.1	1140.1	1140.1
1°	1137.2	1138.7	1137.2	1138.7	1140.1
2°	1130.2	1131.6	1130.2	1130.2	1131.6
3°	1116.0	1117.4	1117.4	1117.4	1118.8
4°	1099.0	1100.5	1099.0	1100.5	1101.9
5°	1080.7	1079.2	1077.8	1079.2	1080.7
6°	1055.2	1053.8	1052.4	1053.8	1055.2
7°	1026.9	1025.5	1024.1	1024.1	1025.5
8°	991.5	993.0	988.7	991.5	993.0
9°	960.4	957.6	954.8	954.8	957.6
10°	922.2	919.4	919.4	918.0	918.0
12.5°	828.9	823.2	819.0	819.0	820.4
15°	734.1	727.0	717.1	718.6	720.0
17.5°	639.3	630.9	618.1	621.0	623.8
20°	550.2	541.7	526.2	531.8	536.1
22.5°	473.8	461.1	447.0	451.2	465.4
25°	403.1	391.8	373.4	383.3	391.8
27.5°	340.9	328.2	312.6	322.5	331.0
30°	285.7	274.4	260.3	268.8	277.2
32.5°	236.2	226.3	216.4	222.1	229.1
35°	191.0	185.3	178.2	183.9	188.1
37.5°	154.2	151.3	148.5	151.3	149.9
40°	123.1	124.5	123.1	123.1	120.2
42.5°	97.6	101.8	103.3	100.4	97.6
45°	83.5	84.9	87.7	84.9	83.5
47.5°	73.6	73.6	75.0	73.6	72.1
50°	66.5	66.5	66.5	66.5	66.5
52.5°	60.8	60.8	59.4	60.8	60.8
55°	56.6	55.2	55.2	55.2	56.6
57.5°	53.8	52.3	50.9	52.3	53.8
60°	50.9	48.1	46.7	48.1	50.9
62.5°	48.1	45.3	43.8	45.3	48.1
65°	46.7	42.4	39.6	42.4	46.7
67.5°	45.3	39.6	36.8	39.6	46.7
70°	45.3	36.8	32.5	38.2	45.3
72.5°	43.8	35.4	29.7	35.4	43.8
75°	43.8	32.5	26.9	32.5	43.8
77.5°	41.0	29.7	22.6	29.7	41.0
80°	36.8	26.9	18.4	26.9	35.4
82.5°	26.9	22.6	14.1	22.6	26.9
85°	14.1	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)