

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: P1312612

Luminaire Tested: P3SQAS17R359727DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312612
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R359727DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

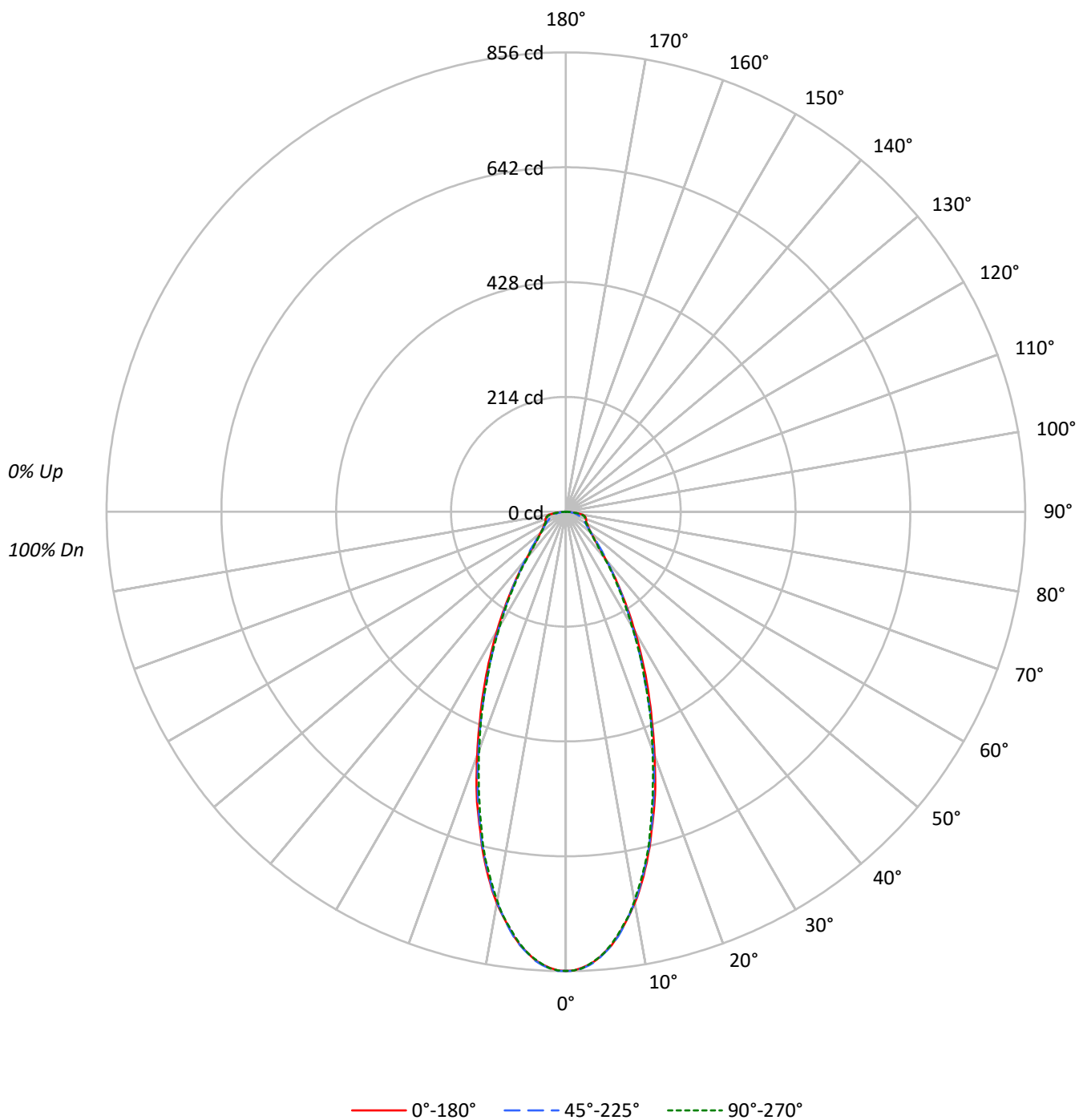
Lumens per Lamp: N/A
Luminaire Lumens: 708.0 lumens
Efficiency: N/A
Efficacy: 33.4 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	107	104	101	109	105	102	99	101	99	96		97	95	93		94
2	104	98	92	88	101	96	91	87	92	88	85		89	86	83		86
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80
4	92	82	75	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	84	75	69	64	73	68	63		72	67	63		70
6	82	71	64	59	80	70	64	59	69	63	58		67	62	58		66
7	77	66	60	55	76	66	59	54	64	58	54		63	58	54		62
8	73	62	56	51	72	62	55	51	61	55	51		60	54	50		59
9	70	59	52	48	68	58	52	48	57	52	47		56	51	47		55
10	66	56	49	45	65	55	49	45	54	49	45		53	48	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	147371	147371	147371
5°	142540	142713	142540
10°	129481	129288	128729
15°	109921	109528	108566
20°	88485	87312	86506
25°	68410	66357	66357
30°	51009	49299	48861
35°	36709	36246	35342
40°	25675	26416	24708
45°	19168	20215	18632
50°	16451	16451	16183
55°	15523	14893	15223
60°	15948	14467	15224
65°	17116	14507	16708
70°	20091	15207	19538
75°	25086	15770	24354
80°	32035	17059	28861
85°	25491	16994	25491

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 32035 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.0	10.7
10°-20°	169.6	24.0
20°-30°	162.0	22.9
30°-40°	108.8	15.4
40°-50°	63.9	9.0
50°-60°	45.7	6.5
60°-70°	38.0	5.4
70°-80°	31.2	4.4
80°-90°	12.8	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°	407.6	57.6
0°-40°	516.4	72.9
0°-60°	626.0	88.4
0°-90°	708.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	708.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	856	856	856	856	856	
5°	824	827	826	824	824	76
15°	616	618	614	610	609	171
25°	360	356	349	349	349	165
35°	175	175	172	169	168	110
45°	79	81	83	79	76	63
55°	52	51	50	50	51	47
65°	42	38	36	38	41	42
75°	38	29	24	29	37	39
85°	13	14	9	14	13	15
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	855.7	855.7	855.7	855.7	855.7
1°	854.6	855.7	855.7	854.6	854.6
2°	850.3	852.5	851.4	850.3	851.4
3°	844.9	847.1	846.0	844.9	843.9
4°	836.3	838.5	837.4	835.2	835.2
5°	824.5	826.6	825.5	824.5	824.5
6°	812.6	814.8	812.6	810.5	810.5
7°	796.4	799.7	797.5	795.4	794.3
8°	778.1	781.4	779.2	778.1	776.0
9°	759.8	762.0	758.7	758.7	758.7
10°	740.4	741.5	739.3	736.1	736.1
11°	718.9	717.8	716.7	714.5	712.4
12°	695.1	695.1	691.9	689.8	688.7
13°	670.4	669.3	667.1	665.0	665.0
14°	644.5	644.5	642.3	638.0	639.1
15°	616.5	617.5	614.3	610.0	608.9
17.5°	552.9	550.7	545.3	542.1	538.9
20°	482.8	481.7	476.4	473.1	472.0
22.5°	418.2	417.1	411.7	408.5	410.6
25°	360.0	355.7	349.2	349.2	349.2
27.5°	306.1	300.7	296.4	294.2	296.4
30°	256.5	252.2	247.9	246.8	245.7
32.5°	212.3	210.2	208.0	204.8	204.8
35°	174.6	174.6	172.4	169.2	168.1
37.5°	142.3	143.3	142.3	139.0	138.0
40°	114.2	116.4	117.5	114.2	109.9
42.5°	93.8	97.0	99.2	93.8	90.5
45°	78.7	80.8	83.0	78.7	76.5
47.5°	69.0	70.1	71.1	67.9	66.8
50°	61.4	61.4	61.4	60.4	60.4
52.5°	56.0	56.0	55.0	53.9	53.9
55°	51.7	50.7	49.6	49.6	50.7
57.5°	48.5	47.4	45.3	46.3	47.4
60°	46.3	44.2	42.0	43.1	44.2
62.5°	43.1	41.0	38.8	39.9	42.0
65°	42.0	37.7	35.6	37.7	41.0
67.5°	41.0	35.6	32.3	35.6	39.9
70°	39.9	33.4	30.2	33.4	38.8
72.5°	38.8	31.3	26.9	31.3	37.7
75°	37.7	29.1	23.7	29.1	36.6
77.5°	35.6	26.9	20.5	26.9	33.4
80°	32.3	24.8	17.2	23.7	29.1
82.5°	23.7	20.5	14.0	20.5	21.6
85°	12.9	14.0	8.6	14.0	12.9
87.5°	1.1	2.2	2.2	6.5	4.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)